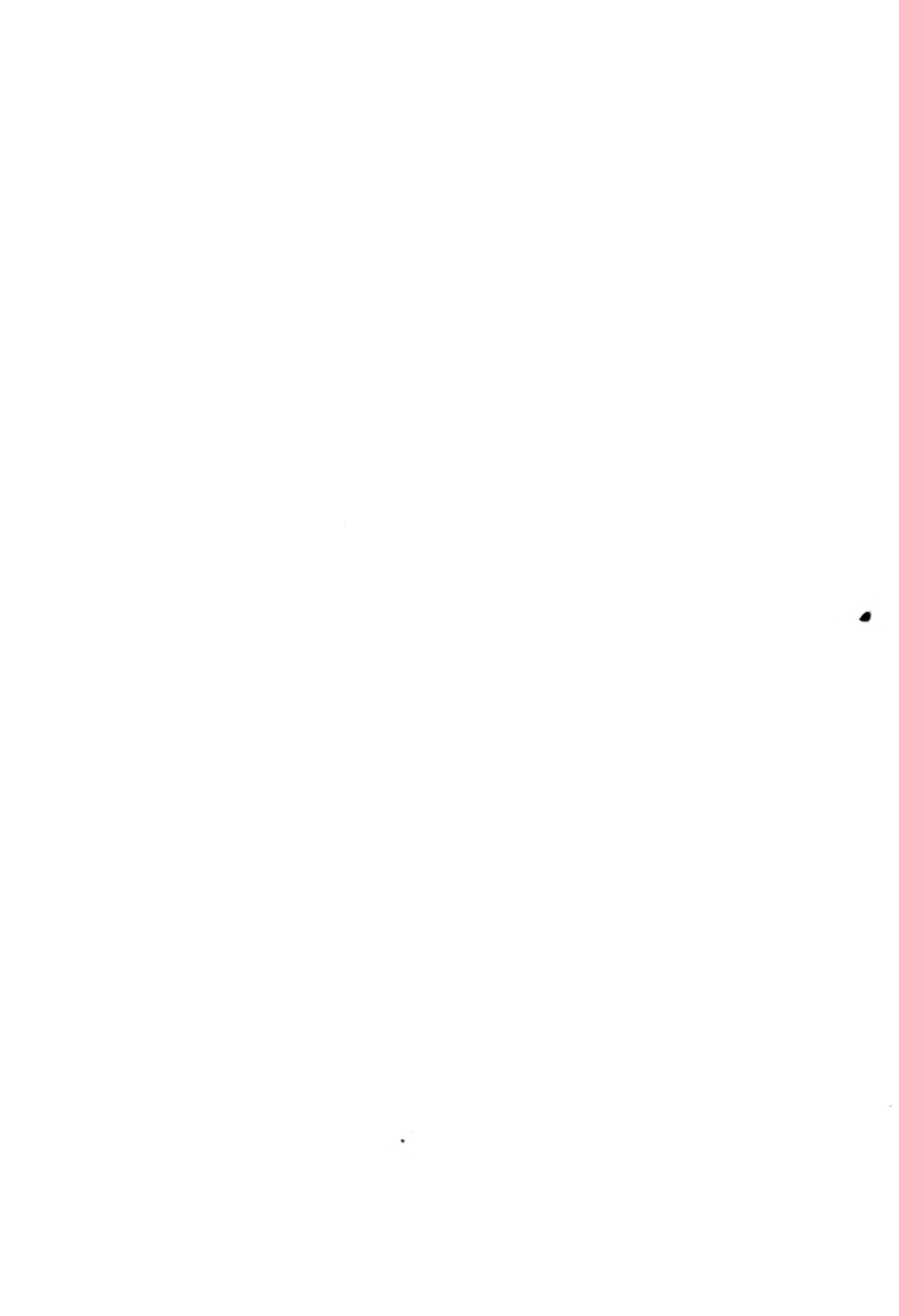


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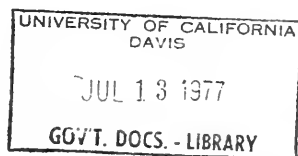
The Resources Agency

Department of Water Resources

BULLETIN No. 130-75

HYDROLOGIC DATA: 1975

Volume II: NORTHEASTERN CALIFORNIA



MAY 1977

CLAIRE T. DEDRICK
Secretary for Resources
The Resources Agency

EDMUND G. BROWN JR.
Governor
State of California

RONALD B. ROBIE
Director
Department of Water Resources

STATE OF CALIFORNIA
The Resources Agency
Department of Water Resources

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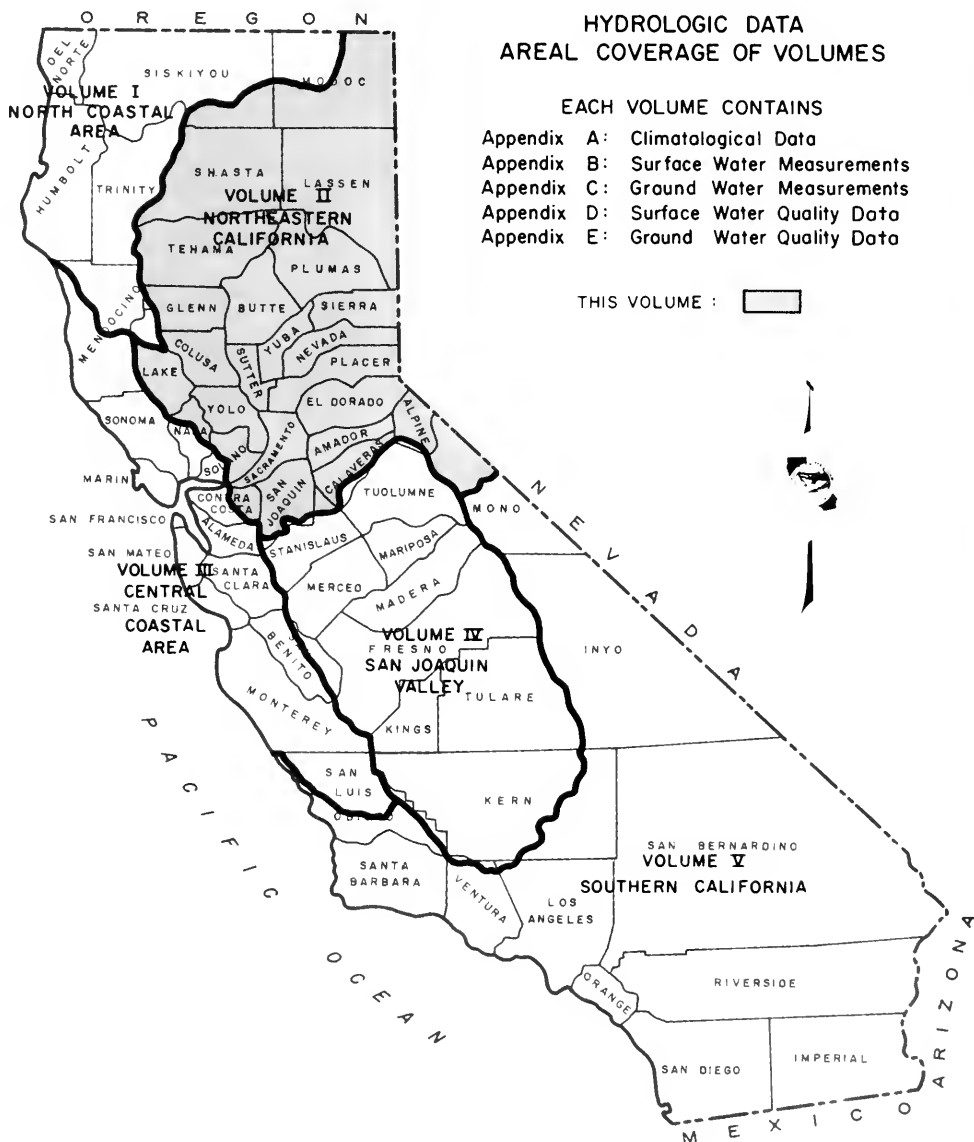
RONALD B. ROBIE
Director
Department of Water Resources

HYDROLOGIC DATA AREAL COVERAGE OF VOLUMES

EACH VOLUME CONTAINS

- Appendix A: Climatological Data
- Appendix B: Surface Water Measurements
- Appendix C: Ground Water Measurements
- Appendix D: Surface Water Quality Data
- Appendix E: Ground Water Quality Data

THIS VOLUME : 

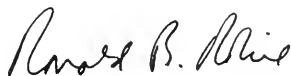


FOREWORD

The data collection programs of the Department of Water Resources have been designed to supplement the activities of other agencies to satisfy specific needs of the State. Bulletin No. 130-75 presents useful, comprehensive, accurate, and timely hydrologic data which are prerequisites for monitoring environmental conditions as well as effective planning, design, construction, and operation of water facilities.

The Bulletin No. 130 series has been published annually in five volumes since 1963. Each volume presents hydrologic data for one of five reporting areas of the State. These areas are delineated on the map to the left.

This Bulletin No. 130-75 is the last of this series to be published. It is to be replaced with a statewide hydrologic data index, which will show what data are available and where they may be obtained.



Ronald B. Robie, Director
Department of Water Resources
The Resources Agency
State of California

CONVERSION FACTORS

English to Metric System of Measurement

<u>Quantity</u>	<u>English unit</u>	<u>Multiply by</u>	<u>To get metric equivalent</u>
Length	inches (in)	25.4	millimetres (mm)
		.0254	metres (m)
	feet (ft)	.3048	metres (m)
	miles (mi)	1.6093	kilometres (km)
Area	square inches (in ²)	6.4516×10^{-4}	square metres (m ²)
	square feet (ft ²)	.092903	square metres (m ²)
	acres	4046.9	square metres (m ²)
		.40469	hectares (ha)
		.40469	square hectometres (hm ²)
		.0040469	square kilometres (km ²)
	square miles (mi ²)	2.590	square kilometres (km ²)
Volume	gallons (gal)	3.7854	litres (l)
		.0037854	cubic metres (m ³)
	million gallons (10 ⁶ gal)	3785.4	cubic metres (m ³)
	cubic feet (ft ³)	.028317	cubic metres (m ³)
	cubic yards (yd ³)	.76455	cubic metres (m ³)
	acre-feet (ac-ft)	1233.5	cubic metres (m ³)
		.0012335	cubic hectometres (hm ³)
		1.233×10^{-6}	cubic kilometres (km ³)
Volume/Time (Flow)			
	cubic feet per second (ft ³ /s)	28.317	litres per second (l/s)
		.028317	cubic metres per second (m ³ /s)
	gallons per minute (gal/min)	.06309	litres per second (l/s)
		6.309×10^{-5}	cubic metres per second (m ³ /s)
Mass	million gallons per day (mgd)	.043813	cubic metres per second (m ³ /s)
	pounds (lb)	.45359	kilograms (kg)
	tons (short, 2,000 lb)	.90718	tonne (t)
Power		907.18	kilograms (kg)
	horsepower (hp)	0.7460	kilowatts (kW)
Pressure	pounds per square inch (psi)	6894.8	pascal (Pa)
Temperature	Degrees Fahrenheit (°F)	$\frac{t_F - 32}{1.8} = t_C$	Degrees Celsius (°C)

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STATE OF CALIFORNIA
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Arcade Water District
Butte County
California Water Service Company
City of Sacramento
City of Stockton

Colusa County
East Bay Municipal Utility District
Glenn County
Lake County
National Weather Service

Pacific Gas and Electric Company
Placer County
Sacramento County
Sacramento Municipal Utility District
San Joaquin County

Solano County
South San Joaquin Irrigation District
South Sutter Water District
Stockton-East Water District
Sutter County

Tehama County
U. S. Army, Corps of Engineers
U. S. Bureau of Reclamation
U. S. Forest Service
U. S. Geological Survey

Yolo County
Yuba County

INTRODUCTION

This bulletin contains data regarding climate, surface water, ground water levels, and surface and ground water quality. The data were collected by the Department of Water Resources and by various organizations cooperating with the Department.

The Department's files contain some data that currently are not being published. Inquiries regarding local data should be directed to the District Offices listed as follows:

Central District
P. O. Box 160088
3251 S Street
Sacramento, CA 95816

San Joaquin District
P. O. Box 5710
3374 East Shields Avenue
Fresno, CA 93755

Northern District
P. O. Box 607
2440 Main Street
Red Bluff, CA 96080

Southern District
P. O. Box 6598
849 South Broadway
Los Angeles, CA 90055

Inquiries regarding statewide data should be directed to the Division Office:

Division of Planning
P. O. Box 388
1416 Ninth Street
Sacramento, CA 95802

Federal and local agencies also are maintaining substantial data files. A partial listing follows:

Federal Agencies

U. S. Army, Corps of Engineers
Sacramento District
650 Capitol Mall
Sacramento, CA 95814

U. S. Department of the Interior
Geological Survey
Water Resources Division
2800 Cottage Way
Sacramento, CA 95825

U. S. Department of the Interior
Geological Survey
Water Resources Division
855 Oak Grove Avenue
Menlo Park, CA 94025

U. S. Department of the Interior
Bureau of Reclamation
Mid-Pacific Regional Office
2800 Cottage Way
Sacramento, CA 95825

U. S. Department of the Interior
Geological Survey
Water Resources Division
705 North Plaza Street
Carson City, NV 89701

Local Agencies

East Bay Municipal Utility
District
Mokelumne Area Representative
P. O. Box 61
Lodi, CA 95240

Pacific Gas & Electric Company
5555 Florin-Perkins Road
Sacramento, CA 95826

County of Sacramento
Department of Public Works
Water Resources Division
827-7th Street
Sacramento, CA 95814

Sacramento Municipal Utility
District
P. O. Box 15830
6201 S Street
Sacramento, CA 95813

San Joaquin County Flood Control
and Water Conservation District
P. O. Box 1810
Stockton, CA 95201

Appendix A

CLIMATOLOGICAL DATA

This appendix contains precipitation data for certain climate stations and storage gages for the 1975 water year, October 1, 1974, through September 30, 1975. Additional precipitation data, as well as data concerning air temperature, wind, and evaporation, are available in the National Weather Service's publications "Climatological Data - California"; "Hourly Precipitation Data - California"; and, for particular key stations, "Local Climate Data". These publications can be obtained from:

Superintendent of Documents
Government Printing Office
Washington, D. C. 20402

Other agencies within the area covered by this report have established their own supplemental rain gage networks. Some of these agencies are: California Department of Parks and Recreation; East Bay Municipal Utility District; Pacific Gas and Electric Company; Sacramento County Division of Water Resources; Sacramento Municipal Utility District; Tehama County Flood Control and Water Conservation District.

Each station in this appendix has been assigned an identification number. The letter and first digit denote the hydrographic unit as shown below. The remaining digits denote the alphabetical sequence of the station. A complete list of stations is contained in Bulletin No. 165, Index of Climatological Stations in California, 1971.

Sacramento River Basin

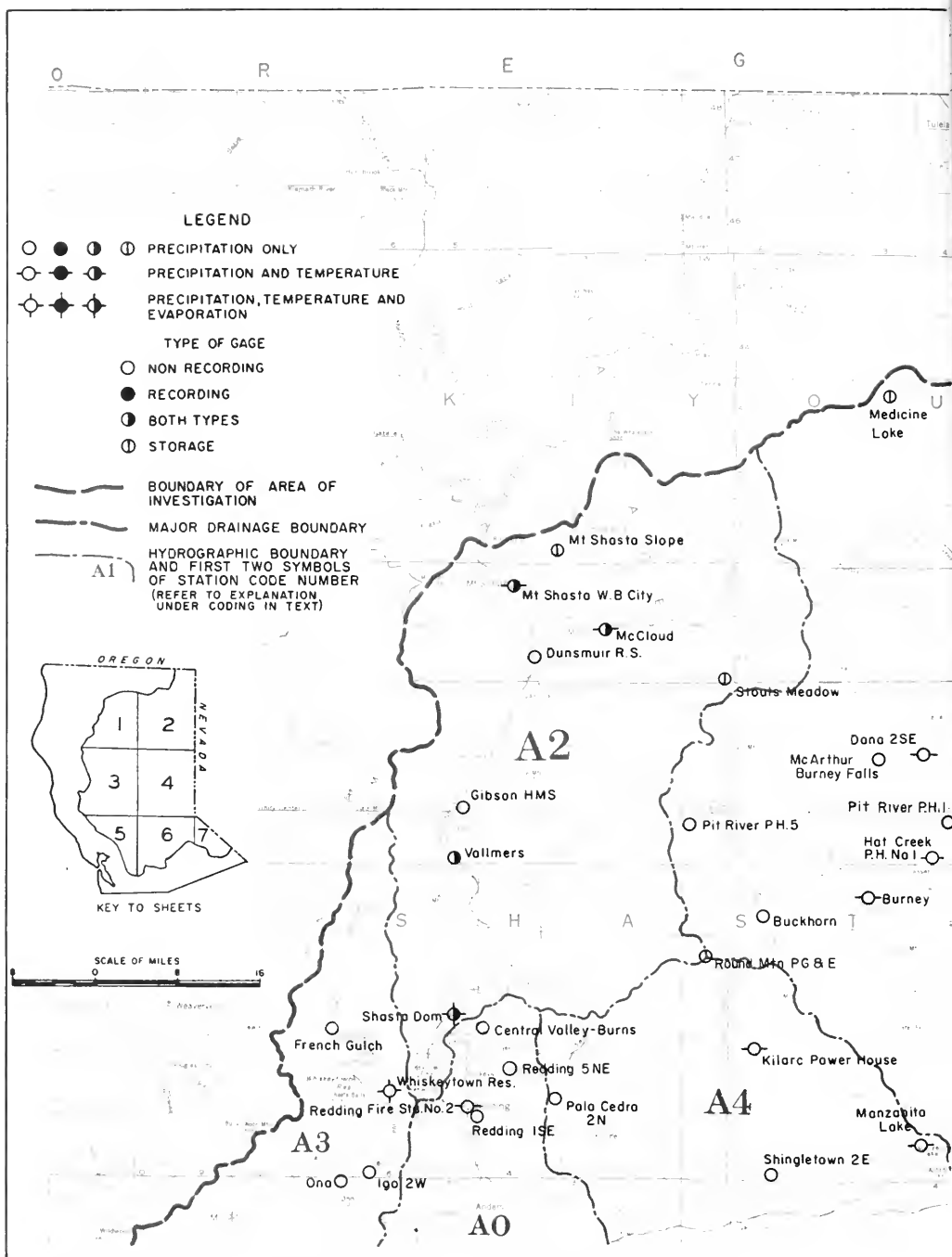
A0	Sacramento Valley Floor
A1	Pit River
A2	Shasta Lake
A3	Sacramento Valley Westside
A4	Sacramento Valley Northeast
A5	Feather River
A6	Yuba-Bear Rivers
A7	American River
A8	Cache Creek
A9	Putah Creek

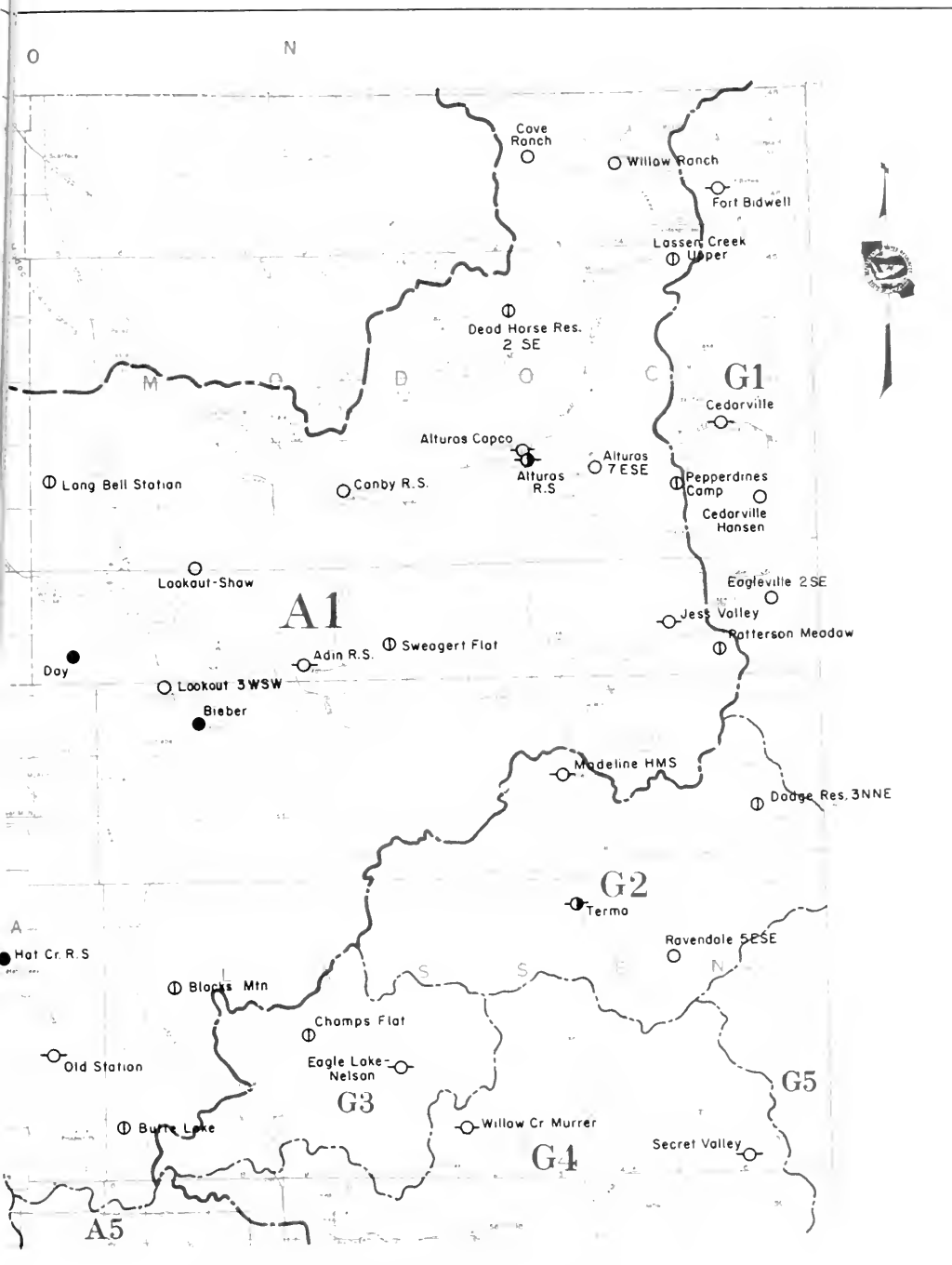
San Joaquin River Basin

B0	San Joaquin Valley Floor
B1	Cosumnes River
B2	Mokelumne-Calaveras Rivers
B8	San Joaquin Valley Westside
B9	Sacramento-San Joaquin Delta

North Lahontan Area

G1	Surprise Valley
G2	Madeline Plains
G3	Eagle Lake
G4	Susan River
G5	Smoke River
G6	Herlong
G7	Truckee River
G8	Carson River
G9	Walker River

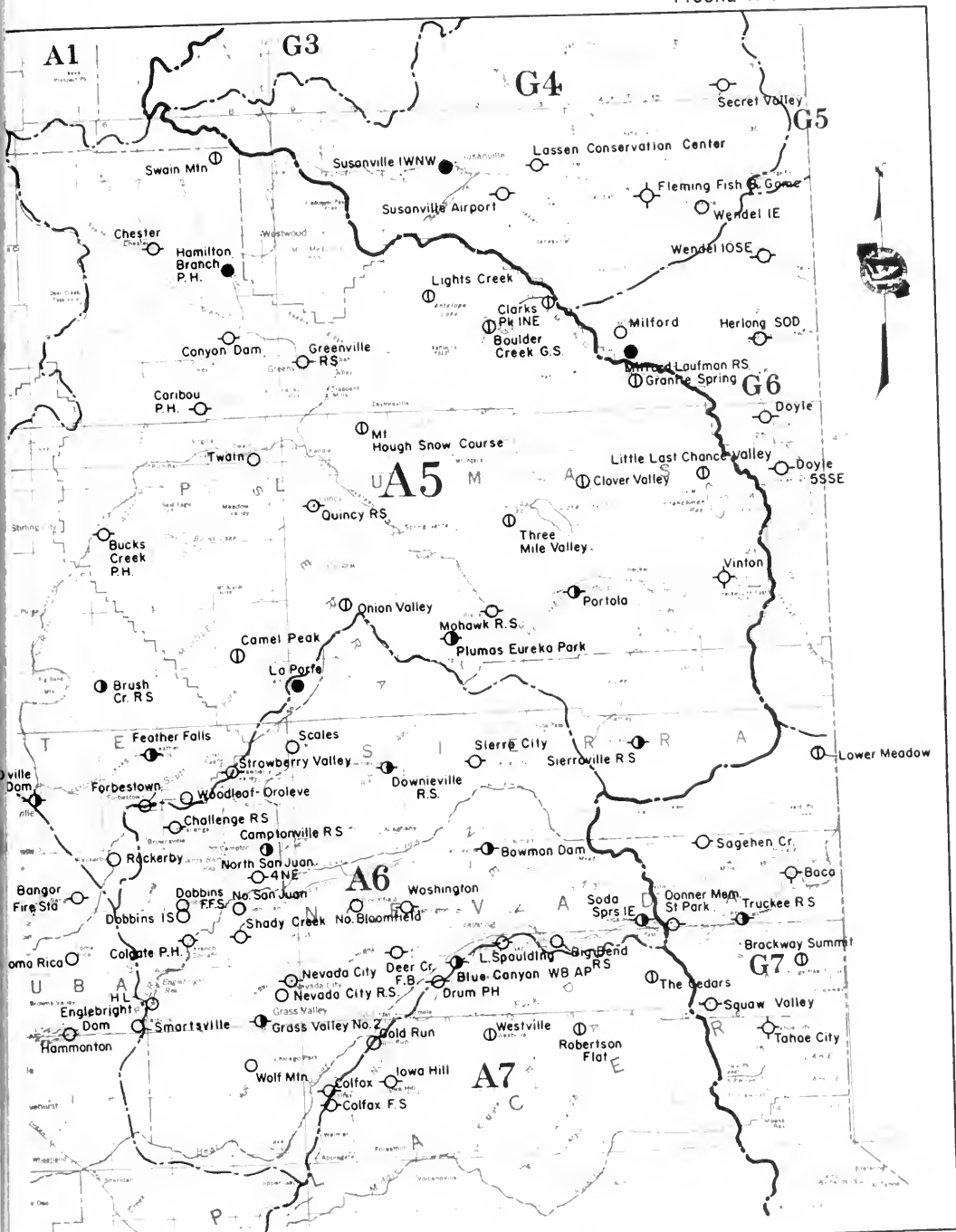


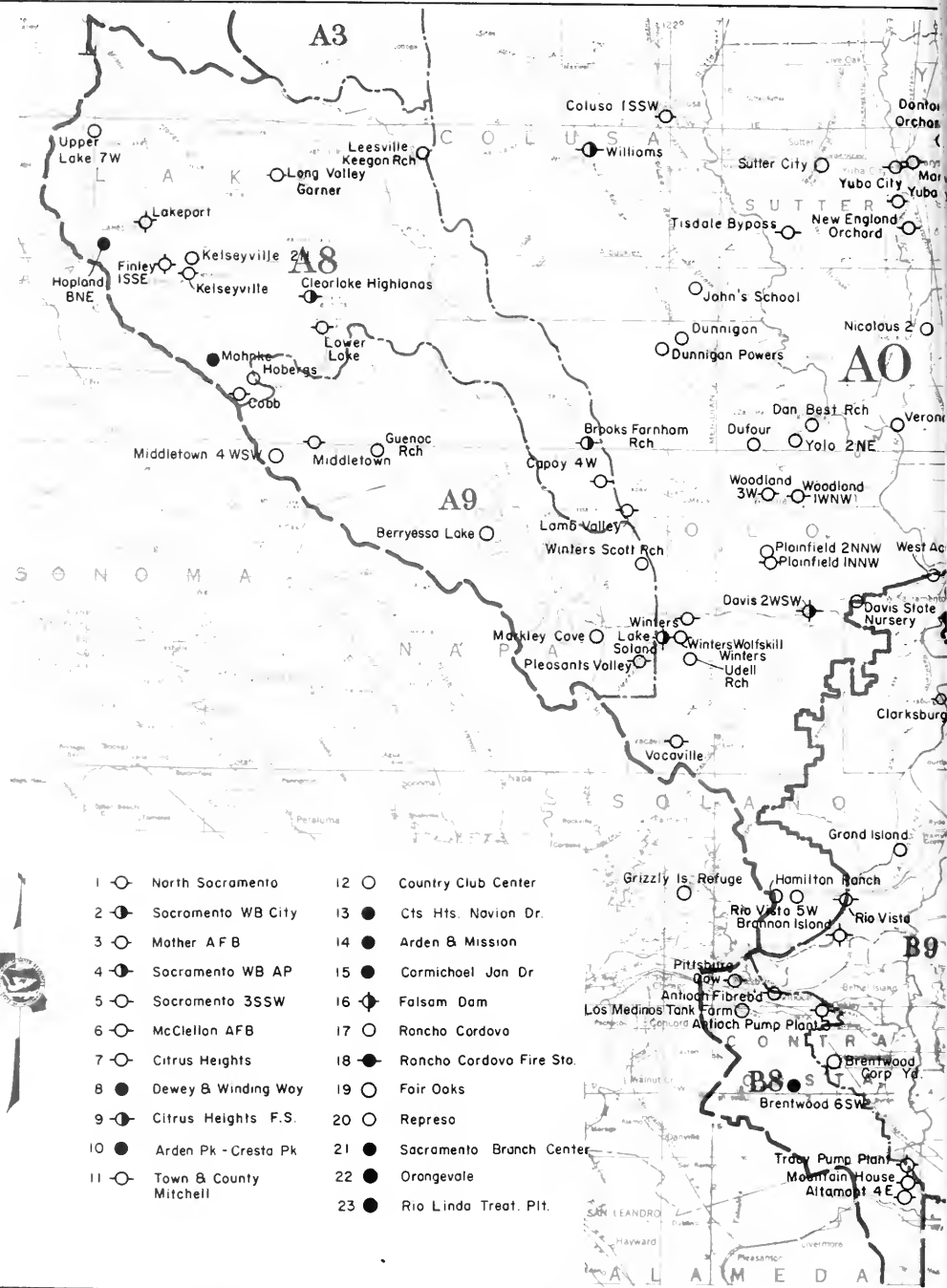


The map displays the Central Valley of California, with various cities and towns marked. The regions are labeled as follows:

- A3**: Includes locations like Ball Mtn Lookout, Log Spring, Alder Springs, Stony Gorge Res, Noel Spring, Fruto 2, Clarks Valley-Mudd, Stonyford R.S., East Park Res., Trough Spring, Stonyford-Cooley, Upper Lake 7W, Long Valley Garner, and Leesville Keegan Rch.
- A4**: Includes locations like Harrison Gulch R.S., Plating, Saddle Camp R.S., Anderson 9WNW, Anderson STP, Anderson FS #2, Cottonwood 7W, Ferguson Rch, Jelly, Coleman Fish Hatchery, Darrah Fish Hatchery, Shingletown 2E, Volta P.H., Mantion 6E, Paynes Creek, Hogback Road, Red Bluff IN, Red Bluff W.B.A.P., Red Bluff Owens, DeWitt Peak 2WSW, McCarthy P., Twenty Mile Hollow, Las Malinas 6N, Los Malinos 3N, Gerber 1SW, Vina Monastery, Corning-Uhl, Corning Houghton Rch, Glenn Colusa Hdgate, Black Butte Dam, Black Butte Rch, Orland, Nard, Chico Airport, Cohasset 1NNE, Spring City R.S., De Sable, Paradise, Lak Wilenc, Paris Car, Chepokee, M.B.T. Ranch, Durham F.S., Chico Experiment Sta., Orville R.S., Thermoita, After-bay, Orville, Orville, Orville, Palermo, Gridley Butte WD, Manzanita F.S., Hancock, Live Oak 2SE, Live Oak 6 SSW, Danlani, Orch, Yuba City, Marysville, and Sutter.
- A8**: Includes locations like Upper Lake 7W, Long Valley Garner, and Leesville Keegan Rch.
- AO**: Includes locations like Fruto 2, Clarks Valley-Mudd, Stonyford R.S., East Park Res., Trough Spring, Stonyford-Cooley, Upper Lake 7W, Long Valley Garner, and Leesville Keegan Rch.

The map also shows the Sacramento River, the Feather River, and the Central Valley itself. The map is oriented with North at the top.







CLIMATOLOGICAL OBSERVATION STATIONS

1975

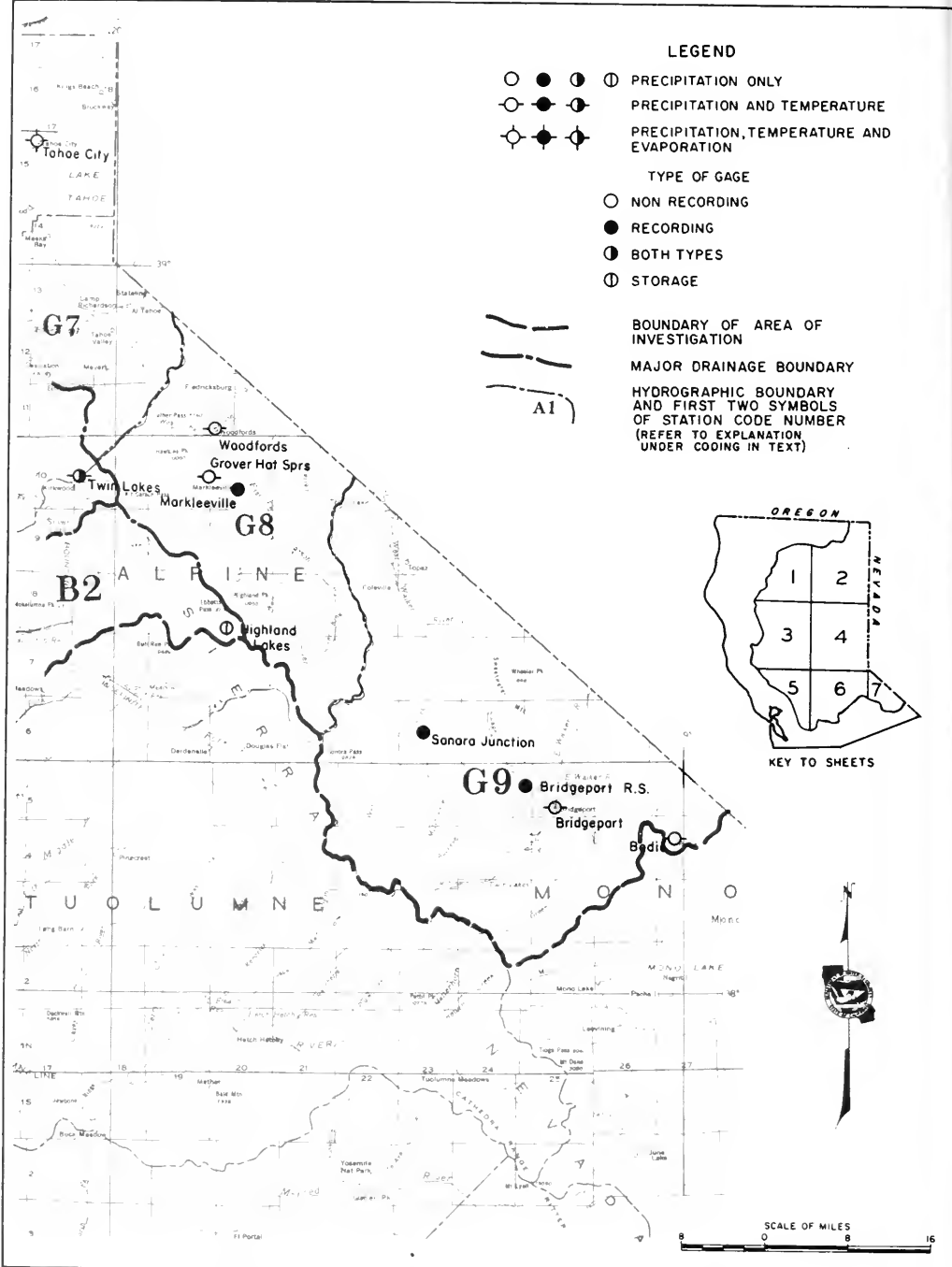


TABLE A-1
PRECIPITATION IN NORTHEASTERN CALIFORNIA
DURING WATER YEAR 1975

This table summarizes monthly precipitation totals for selected stations for the 1975 water year, October 1, 1974, through September 30, 1975. The table shows each station's assigned number in accordance with the explanation given in the introduction to this appendix. Location is shown by latitude and longitude in degrees to the third decimal.

Precipitation values are shown to the nearest hundredth (.01) of an inch. Where digital recording rain gages that record to only the nearest tenth (.1) of an inch are used, a zero is shown in the second decimal place. The following notations are used to qualify the values:

.00-	No record or incomplete record
B	Record began
E	Wholly or partially estimated
N	Record ends
.00T	Trace, an amount too small to measure

The county code for each station is shown below:

Alameda	60	Marin	21	San Mateo	41
Alpine	02	Mariposa	22	Santa Barbara	42
Amador	03	Mendocino	23	Santa Clara	43
Butte	04	Merced	24	Santa Cruz	44
Calaveras	05	Modoc	25	Shasta	45
Colusa	06	Mono	26	Sierra	46
Contra Costa	07	Monterey	27	Siskiyou	47
Del Norte	08	Napa	28	Solano	48
El Dorado	09	Nevada	29	Sonoma	49
Fresno	10	Orange	30	Stanislaus	50
Glenn	11	Placer	31	Sutter	51
Humboldt	12	Plumas	32	Tehama	52
Imperial	13	Riverside	33	Trinity	53
Inyo	14	Sacramento	34	Tulare	54
Kern	15	San Benito	35	Tuolumne	55
Kings	16	San Bernardino	36	Ventura	56
Lake	17	San Diego	90	Yolo	57
Lassen	18	San Francisco	80	Yuba	58
Los Angeles	70	San Joaquin	39		
Madera	20	San Luis Obispo	40	Oregon	61
				Nevada (State)	62
				Arizona	63
				Mexico	64

TABLE A-1 (Cont.)

PRECIPITATION IN NORTHEASTERN CALIFORNIA DURING WATER YEAR 1975

CO	STA NO	LAT	LONG	ELEV	STATION NAME	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
25	A10002900	41°20N	120°45W	4193	ADIN RS	15.85	.88	.94	1.87	.56	4.34	1.62	2.63	.08	1.27	.34	1.16	.08
60	88011463	37°74N	121°58W	300	ALTIMANT AE	11.12	.64	.30	1.59	.46	3.04	3.75	.94	.00	.007	.00	.40	.00
5	R2001490	41°40N	120°56W	1545	ALTAVILLE CDP	.00	2.58	2.28	.00	2.48	6.06	8.36	2.56	.45	.25	.02	1.12	.00
5	R2011505	41°40N	120°00W	1430	ALTAVILLE MOUNT RCH	36.63	2.73	2.13	4.50	1.96	7.15	9.84	2.68	.31	.07	.03	.79	.00
25	A1001560	41°40N	120°53W	4400	ALTUNAS COPCO	10.11	.55	.30	1.63	.80	2.17	1.24	1.89	.20	.28	.92	.57	.06
25	A10015900	41°50N	120°40W	4900	ALTUNAS 7 ESE	14.16	.98	.44	1.85	1.12	2.12	1.33	2.25	.68	1.16	.48	1.32	.38
25	A10015100	41°50N	120°43W	4865	ALTUNAS RS	10.00	.50	.44	1.44	.55	2.47	1.24	1.51	.15	.28	.19	.44	.00
45	A0002000	41°44N	122°29W	4310	ANDERSON FS #2	26.08	2.42	.89	4.42	2.11	5.89	7.26	2.87	.15	.05	.20	1.00	.02
45	A0002010	41°45N	122°45W	850	ANDERSON 94NW	36.75	2.14	.87	6.99	1.82	9.38	11.15	2.88	.26	.13	.46	.55	.02
45	A0002030	41°45N	122°27W	400	ANDERSON STP	.00	.00	.00	.00	.00	5.91	7.35	1.35	.00	.00	.00	.00	.00
7	R9002273	39°13N	121°77W	28	ANTICHI FIREBRO MILL	11.94	.76	.26	.94	1.61	3.11	3.97	.84	.00	.00	.09	.06	.00
7	R9002320	39°08N	121°27W	8	ANTICHI PUMP PLANT 3	11.89	.68	.25	1.92	.10	2.84	4.29	.85	.00	.03	.17	.06	.00
09	A7002534	34°53N	121°36W	37	ARZEN PARK CRESTA PAK	63.50	3.10	3.30	4.84	8.50	15.61	16.10	9.90	.90	.00	.00	.00	.00
31	A7003644	39°49N	121°08W	1292	AUBURN	31.29	1.48	2.42	3.01	3.00	8.99	8.05	2.83	.45	.26	.00	.65	.00
31	A7003850	39°40N	121°05W	1058	AUBURN DIV OF FORESTRY	30.77	1.84	1.98	2.80	2.99	8.76	8.20	2.99	.30	.24	.00	.56	.05
04	A5004910	37°19N	121°43W	75	BANGOR FIRE STATION	32.91	1.94	2.11	3.16	1.25	12.58	7.95	2.29	.25	.19	.00	.25	.08
04	A5005000	37°43N	122°13W	422	BATTLE CREEK ADR	27.00	2.20	1.40	.81	3.50	5.50	4.00	2.60	.70	.40	.17	1.00	.00
26	A9007653	34°55N	122°25W	46	BEHRENS LAKE	26.74	.89	.40	4.57	.70	11.25	6.83	1.27	.07	.05	.14	.07	.00
18	A1007310	41°12N	121°14W	413	BIEBER	.00	.85	.57	1.07	.00	.00	1.91	2.35	.27	.81	.20	.88	.09
52	43008401	39°08N	121°62W	14	BLACK BUTTE DAM	16.93	1.64	.45	4.33	.50	5.49	3.35	.05	.00	.00	.89	.23	.00
11	A0008410	39°48N	122°33W	375	BLACK BUTTE RANCH	21.12	1.68	.82	.47	.55	5.94	4.98	.00	.05	.00	1.07	.38	.00
09	A7008930	39°49N	120°46W	4418	BLODGETT ACP FOREST	57.50	3.10	3.30	4.84	8.50	15.61	16.10	9.90	.90	.00	.00	.00	.00
31	A7008970	39°47N	120°70W	5281	BLUE CANYON WB AP	66.27	4.30	3.13	4.84	7.50	17.30	16.32	7.45	1.29	.73	.23	1.10	.02
29	G7009310	39°48N	120°49W	5575	BOCA	23.34	1.93	1.58	1.74	1.58	5.90	8.86	1.69	.29	.51	.00	1.30	.93
26	G9009430	34°21N	119°01W	4374	BOOLE	13.92	1.15	.78	1.28	.81	2.34	3.96	.91	.93	.06	.64	.70	.46
29	A9011490	39°44N	120°56W	5347	HOMAN DAM	65.01	3.58	3.40	6.01	7.12	16.85	10.40	6.51	1.70	.08	.25	1.13	.28
34	89011400	34°18N	121°46W	35	BRANAN ISLAND	15.81	1.07	.53	2.46	.81	5.28	4.20	1.17	.00	.07	.11	.18	.00
07	A9015950	37°52N	121°67W	95	BRENTWOOD CORP YARD	11.29	.61	.35	1.86	.44	2.44	4.48	.76	.00	.03	.13	.14	.00
7	R9016600	37°48N	121°77W	325	BRENTWOOD 65W	15.28	.60	.23	1.94	1.47	3.50	5.35	1.71	.00	.06	.09	.17	.00
26	G9017620	38°25N	121°27W	6471	BRIDGEPORT	12.14	1.18	.50	.98	.25	3.60	2.68	.92	.10	.09	.20	1.04	.60
26	G9017630	34°27N	119°28W	4551	BRIDGEPORT R S	.00	1.10	.42	1.55	.41	.00	.00	.00	.22	.09	.00	.00	.83
57	A9011200	39°44N	122°15W	84	BROOKS FARMHAND RANCH	17.44	1.22	.40	2.32	.40	2.72	3.85	.80	.00	.00	.00	.00	.00
04	A5011300	39°49N	121°36W	3561	BRUSH-CROW R S	60.47	3.33	.45	6.03	4.86	20.04	13.59	4.82	.85	.54	.48	2.08	.40
45	A1011490	40°46N	121°45W	3771	BUCKHORN	61.79	2.96	3.27	6.81	4.71	15.91	14.41	7.50	.82	1.28	.58	1.74	.00
32	A5011590	41°01N	121°32W	1787	HUCKS CREEK PH	83.34	1.64	3.84	6.85	5.15	20.14	16.82	5.53	.74	.70	.09	1.85	.19
45	A1012140	40°48N	121°46W	3127	HUNLEY	21.30	1.14	1.34	3.68	.86	6.34	2.92	2.89	.14	.81	.37	.69	.12
5	R2012770	34°27N	120°34W	4696	CLARKES HIG TREES	90.48	4.77	3.04	5.44	5.04	15.50	15.05	7.82	.77	.45	.14	.16	.20
5	R2012820	34°25N	120°48W	4658	CAMP PARLEE	20.29	1.66	1.42	1.77	1.33	4.58	5.69	2.10	.09	.04	.09	1.31	.01
58	A9014620	34°49N	121°04W	2755	CAMPTONVILLE W S	10.00	.90	2.70	3.50	.87	.00	14.00	.00	.00	.00	.20	1.50	.10
25	A1014760	41°45N	120°46W	4311	CANYN HS	13.19	.39	.36	2.03	.68	3.31	1.91	2.49	.20	.49	.20	.07	.16
32	A5014970	41°17N	121°08W	4552	CANYON DAM	21.44	1.72	.32	3.37	2.22	13.01	11.06	3.88	.82	.63	.07	1.45	.19
57	A9015000	39°44N	122°15W	84	CEADARVILLE	17.44	1.22	.40	2.32	.40	2.72	3.85	.80	.00	.00	.00	.00	.00
45	A5015220	40°48N	121°47W	2986	CARHOL PH	.00	1.70	2.32	.47	.05	12.71	11.28	3.51	.71	.70	.10	1.05	.25
34	A0015424	39°46N	121°31W	133	CARMICHAEL JOHN DRIVE	.00	1.36	1.24	2.78	1.35	5.81	4.42	1.37	.00	.00	.00	.00	.00
39	89015930	37°43N	121°50W	515	CASTLE ROCK RADIATION	12.95	.83	.73	1.99	.59	2.61	3.52	1.23	.00	.00	.04	.95	.07
25	G1016140	41°52N	120°17W	4677	CEADARVILLE	12.95	.49	.55	1.53	1.47	2.24	1.34	1.31	.58	.67	1.32	.02	.03
25	G1016145	41°43N	120°49W	455	CEADARVILLE HANSEN	.00	.00	.34	.82	.64	1.13	1.11	.80	.34	.45	.00	.00	.00
39	A0016341	37°42N	122°36W	79	CEADAR VALLEY BURNS	54.55	2.85	1.17	2.85	2.40	16.85	16.85	4.93	.00	.00	.00	.00	.00
34	A0016530	37°41N	121°38W	38	CENTRAL VALLEY HATCHERY	18.30	1.21	1.51	2.39	.51	6.12	6.66	1.33	.00	.02	.07	.49	.00
58	A6016530	39°48N	121°22W	256	CHALLENGER R S	62.12	2.35	3.50	3.00	4.68	21.76	14.09	6.52	.82	.51	.13	.59	.17
09	A5016930	39°43N	121°52W	1355	CHALLENGER	43.46	2.32	3.05	3.13	2.17	16.53	16.47	4.84	.18	.03	.01	.00	.00
32	A5017000	40°10N	121°22W	4525	CHESTER	32.04	1.20	1.07	3.00	2.28	11.99	7.51	2.39	.01	.41	.15	1.52	.41
04	A0017150	39°70N	121°78W	205	CHICO EXPERIMENT STA	23.93	2.09	1.33	3.88	1.29	7.68	5.39	1.18	.02	.00	.15	.38	.04
04	A0017161	39°49N	121°45W	220	CHICO AIRPORT	25.85	1.67	1.18	5.34	1.59	7.67	6.52	.78	.00	.03	.70	.34	.03
34	A0017330	39°47N	121°29W	138	CITRUS HEIGHTS	21.19	1.25	1.45	3.25	1.65	6.53	4.94	1.65	.02	.08	.00	.29	.08
34	A0017734	39°47N	121°30W	144	CITRUS HTS NAVION DRIV	.00	1.38	1.49	3.05	2.11	7.65	4.80	1.52	.00	.00	.00	.00	.00
57	A9017840	36°41N	121°53W	14	CLARKSHAW	.00	1.07	1.22	3.24	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	A0017950	39°44N	122°38W	41	CLARKS VALLEY WOOD	18.20	1.20	.80	4.30	.23	6.20	5.12	.60	.00	.00	.38	.17	.00
17	A8018060	39°46N	122°65W	1320	CLEARLAKE MGHOLS	25.82	1.21	.73	4.53	1.28	8.86	7.64	1.15	.00	.04	.19	.19	.00
17	A0018800	39°42N	122°72W	2521	CORAB	89.30	2.23	3.44	11.44	2.21	26.05	14.84	3.51	.18	.03	.18	.16	.00
00	A0018910	39°44N	122°11W	2521	COMASSET 1 NNE	55.42	3.02	3.05	7.13	2.17	16.53	16.47	4.84	.15	.03	.01	.00	.00
45	A0019670	40°40N	122°13W	429	COLEMAN FISH HATCHERY	25.94	2.74	1.47	4.44	1.84	7.21	8.89	2.17	.00	.43	.21	.54	.00
31	A7019120	39°48N	120°45W	2418	COLFAX	48.21	3.11	2.59	4.28	4.51	13.79	12.15	4.83	.61	.06	.04	1.68	.02
31	A7019121	39°49N	120°46W	2351	COLFAX FIRE STATION	.00	2.04	2.70	4.20	3.94	.09	12.19	3.68	.53	.59	.03	.00	.04
58	A6019160	39°43N	121°18W	585	COLGATE POWER HOUSE	38.41	1.89	2.20	2.96	4.38	12.81	9.52	3.32	.24	.31	.07	.69	.02
09	A7019220	39°40N	120°49W	170	COLORADO	29.79	2.00	2.49	2.57	2.34	8.59	7.09	2.87	.39	.10	.02	.73	.00
00	A0019480	39°40N	122°01W	1525	COLUMBIA 1 SSW	15.58	1.25	.44	3.59	.62	5.10	3.99	.52	.02	.00	.12	.00	.02
09	A7019680	39°48N	121°01W	1529	COOL	31.05	2.19	2.19	2.98	3.29	8.67	7.84	3.38	.40	.18	.00	.53	.00
52	A0022363	39°40N	122°14W	270	CORNING US	22.45	1.98	1.17	3.43	1.20	5.38	4.92	1.94	.07	.00	1.02	.44	.00
52	A0022720	39°40N	122°36W	487	CORNING MOUNTAIN RCH	22.92	2.02	.83	5.11	.50	6.19	6.37	.97	.00	.00	.17	.33	.00
45	A0022700	40°17N	122°40W	475	COTTONWOOD TW	31.05	1.47	.85	5.									

PRECIPITATION IN NORTHEASTERN CALIFORNIA DURING WATER YEAR 1975

CD	STA NO	LAT	LONG	ELEV	STATION NAME	TOTAL	ACT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
57	400256800	39.485	121.965	65	DUNNIGAN	22.85	1.29	.51	3.84	1.58	9.43	5.07	.80	.01	.01	.14	.17	.00	
57	400256900	39.487	121.988	104	DUNNIGAN POWERS HCM	16.14	1.07	.28	3.93	1.64	4.47	7.90	.63	.00	.03	.12	.22	.00	
57	420257200	39.121	122.238	242	DUNNIGAN FIRE STATION	54.21	2.26	.52	6.51	1.28	15.44	14.13	.37	.03	.55	.14	.07	.05	
57	400257500	39.443	121.798	155	URSUM FIRE STATION	24.82	1.75	1.44	.42	1.13	8.12	5.47	1.75	.01	.03	.14	.32	.04	
18	G30259502	41.551	120.772	521	EAGLE LAKE NELSON	15.72	.74	.82	1.10	.42	6.02	2.67	2.07	.19	.27	.34	.77	.24	
40	432042600	39.766	122.514	1205	EAST BARK RESERVOIR	19.08	.74	.23	4.16	.42	6.93	5.47	.85	.00	.00	.29	.19	.00	
40	470272000	39.479	120.686	1555	EL DORADO FFS	31.71	2.44	2.27	2.60	3.10	4.86	7.44	1.29	.40	.17	.07	.05	.02	
3	820272800	39.479	120.689	715	ELECTRA PH	30.48	2.44	1.87	2.41	2.71	6.86	7.43	2.76	.29	.16	.13	.38	.03	
39	400276600	39.236	121.193	92	ELLIOTT	18.51	1.41	1.23	2.31	.58	6.23	4.23	1.41	.01	.02	.08	.62	.00	
34	400294600	39.442	121.270	184	FAT OAKS	21.77	1.20	1.80	1.47	.68	7.70	6.57	1.56	.00	.44	.03	.63	.00	
40	450295400	39.593	121.258	2905	FEATHER FALLS	.00	.30	2.80	4.41	3.90	.00	.00	.00	.00	.00	.00	.00	.00	
40	450230200	39.556	122.450	800	FERGUSON CANY	45.90	2.70	1.30	8.80	.30	9.70	13.90	2.90	.20	.00	.48	1.70	.00	
3	810333800	39.425	121.700	441	FIDOLETTE LYNCH HCM	40.16	1.30	2.68	3.35	3.47	10.34	10.48	3.94	.60	.21	.08	.07	.05	
17	460335600	39.942	122.974	1377	FINLEY 1 SSE	28.49	.49	1.28	3.84	1.37	10.95	4.75	1.34	.10	.04	.14	.19	.00	
18	404308700	41.752	120.303	400	FLEMING FIRE + GAME	10.48	.74	.43	1.14	.12	2.55	1.63	.61	.08	.25	.14	1.94	.58	
34	473131300	39.766	121.181	350	FOLSOM DAM	22.45	1.54	1.69	2.55	1.67	6.91	4.47	4.00	.10	.11	.02	.53	.02	
40	450332700	39.426	121.281	2900	FORESTGATE	59.75	2.76	3.61	3.79	4.60	20.34	15.31	6.38	1.19	.58	.18	.75	.00	
34	473133400	39.620	120.924	319	FORESTHILL R 5	47.50	1.79	3.20	3.48	5.39	12.72	11.47	.90	.83	.46	.03	1.08	.00	
25	013157600	41.056	121.313	1100	FRUIT RIDEWELL	15.45	.40	.58	2.33	1.74	3.52	1.49	1.68	.47	.60	1.24	.66	.00	
40	453242000	40.700	122.633	1100	FRENCH GULCH	44.52	1.83	3.38	7.75	3.84	6.13	14.67	.94	.04	.05	.13	.31	.32	.00
34	400330100	39.253	121.303	47	GALT	14.42	.97	.63	2.15	.55	4.44	3.45	.86	.00	.37	.11	.35	.00	
40	473334400	39.924	120.744	3001	GEORGETOWN R 5	51.44	4.44	3.46	4.11	3.68	14.93	11.67	5.13	.74	.28	.07	.17	.45	
52	400338510	41.444	122.255	25	GERBER 1 SE	24.16	1.21	2.40	.40	4.7	7.36	5.00	2.08	.00	.00	.49	.29	.00	
45	420340500	41.110	122.406	1435	GIBSON HHS	17.58	3.20	6.72	10.11	3.91	17.41	21.86	3.87	.17	.18	.57	.58	.00	
11	400346300	39.784	122.050	16	GLENN COLLEA HOGTIE	18.65	1.61	1.67	4.47	.58	4.92	5.01	.54	.00	.00	.38	.21	.01	
31	470349100	39.172	120.466	3320	GOLD RIVER	54.47	3.46	2.85	4.91	5.70	14.73	14.20	5.44	.84	.57	.07	1.65	.04	
34	490354100	39.193	121.415		GRAND ISLAND	.00	1.40	.52	2.20	.63	5.33	4.15	.61	.00	.00	.00	.11	.00	
49	460357300	39.208	121.067	2400	GRASS VALLEY NO2	50.15	2.40	2.44	4.41	4.75	16.41	11.57	5.25	.59	.53	.04	1.19	.02	
32	450362100	40.140	120.940	3580	GRANDVILLE RS	38.18	1.81	2.10	3.57	1.67	11.98	10.35	3.16	.67	1.02	.08	1.55	.49	
40	400364000	39.346	121.694	90	GRIDLEY BUTTE W D	22.04	1.70	1.70	3.43	.54	6.82	6.29	.47	.08	.21	.09	.28	.03	
48	890350500	39.150	121.966		GRIZZLEY ISLAND REFUGE	15.76	.91	.34	2.12	1.11	5.00	4.54	1.49	.00	.08	.15	.03	.00	
31	470355000	39.026	121.933	1480	GRIZZLEY SPRINGS	30.22	1.64	2.30	3.69	.47	10.17	8.27	3.87	.07	.08	.11	.16	.00	
17	470368400	39.741	121.513	1200	GUENDIC CANY	47.16	2.24	1.88	8.65	2.39	10.10	19.94	2.62	.05	.00	.15	.08	.00	
32	450372500	40.268	121.096	4580	HAMILTON BRANCH PH	.00	1.37	1.37	2.81	3.66	8.44	7.68	3.35	.24	.70	.20	.00	.00	
40	400374000	39.193	121.427	131	HAMMONTON	23.55	1.50	1.70	2.48	1.00	9.96	5.55	1.60	.13	.27	.07	.26	.03	
45	430378100	41.766	122.966	2710	HARRISON GULCH R 5	36.59	2.25	1.43	4.12	3.40	11.07	11.15	2.44	.00	.11	.20	.14	.00	
49	460380300	39.239	121.266	580	H L ENGBRIGHT CANY	31.18	1.75	2.19	3.35	1.83	12.25	4.47	2.49	.19	.20	.49	.37	.00	
45	410382400	40.933	121.550	3015	HAT CREEK PH NO 1	18.07	1.12	.96	2.34	.49	5.67	2.48	2.67	.17	.73	.44	.57	.04	
31	470391600	39.656	121.914	4850	HELL HOLE	.00	1.67	2.70	4.01	.00	.00	.00	.00	.00	.70	.10	.00	.00	
34	400391900	39.296	121.242	7	HERALD FIRE STATION	.00	1.16	.66	1.20	.52	.45	4.92	1.00	.00	.00	.00	.00	.00	
18	600392200	40.150	120.100	4093	HERLONG S O D	.00	.00	.00	.00	.00	.00	.00	.14	.01	.51	.14	1.45	1.09	
40	460394000	39.026	121.933	1480	HIDDEN VALLEY HANCH	34.94	2.48	2.30	3.69	.47	10.17	8.27	3.87	.35	.10	.03	1.16	.00	
5	820401900	39.150	120.819	55	HOGAN CANY	.00	1.34	1.68	2.21	1.18	4.31	4.95	.00	.00	.03	.04	.19	.04	
5	82041801	39.155	120.813	749	HOGAN DAM	18.48	1.42	1.46	1.92	.90	3.70	4.18	1.74	.00	.02	.06	1.25	.07	
39	400404100	39.728	121.391		HOLT 2 ESE	.00	.88	.37	2.24	.76	3.11	3.13	.89	.00	.00	.00	.00	.00	
04	400407500	39.127	121.524	113	HONCUT	.00	1.54	1.44	2.74	.63	9.48	4.79	1.00	.17	.13	.07	.18	.00	
17	480409700	39.616	123.000	2510	HORNBLAND BNE	.00	1.68	2.25	5.54	.00	.00	.00	2.37	.10	.11	.20	.41	.00	
45	430421900	41.027	122.569	1094	TOO 2N	44.28	2.69	1.28	6.78	2.88	11.93	13.50	3.13	.18	.00	.14	.44	.04	
03	410424550	38.422	120.633	2490	INDIAN GRINDING ROCK PK	38.61	4.04	.74	2.10	3.32	9.32	12.77	4.03	.52	.23	.14	1.38	.00	
40	400429300	39.346	120.438	284	JONE	27.40	1.72	2.40	2.53	1.57	4.47	4.56	3.03	.03	.00	.03	1.08	.00	
31	470428000	39.088	121.934	1050	JONAS HILL	44.73	2.25	2.91	4.54	.40	13.47	11.21	2.31	1.13	.04	.04	.84	.02	
3	820432100	39.166	120.744	155	JACKSON 1 NW	26.05	2.04	1.65	2.05	2.20	6.04	6.44	3.01	.25	.02	.08	1.24	.00	
52	400434000	40.724	122.203	35	JELLY	27.75	2.22	1.40	4.04	1.88	7.39	4.94	2.55	.55	.40	.37	.42	.00	
5	800435200	39.075	120.111	235	JENNY LIND 3SW	18.53	1.81	1.65	2.05	.77	3.60	5.35	1.92	.00	.03	.03	1.04	.01	
25	410437400	41.255	120.379	524	JESSE VALLEY	21.02	1.11	.63	3.89	2.19	4.02	2.58	2.51	.47	1.82	.104	1.33	.13	
40	400439000	39.056	121.969	6	JONES SCHOOL	17.93	1.27	.47	4.03	.25	5.82	4.99	.76	.06	.07	.15	.28	.00	
17	470449400	39.816	120.916	2000	KELSEY IN	32.56	2.54	2.41	2.57	2.77	8.44	7.39	3.86	.55	.30	.04	1.31	.02	
17	480448800	39.975	122.331	1365	KELSEYSVILLE	.00	1.47	.42	2.24	1.40	10.21	.00	.00	.00	.00	.00	.00	.00	
17	480449100	39.001	122.934	1345	KELSEYSVILLE 2 N	26.48	1.92	.63	3.40	4.15	8.43	8.30	1.10	.00	.03	.02	.24	.00	
39	880450800	39.476	121.432	172	KEELINGER	4.55	.57	.25	1.35	.24	1.68	2.53	1.07	.00	.00	.07	.03	.85	.00
45	440454400	41.101	121.871	2651	KILIANC PH	41.82	2.52	2.17	4.55	2.43	10.11	4.13	5.56	.89	.78	.98	.28	.18	
09	470461600	38.745	120.145	5700	KYBUZ STRAHERRY	.00	2.23	3.18	4.21	.00	11.41	10.23	.00	.00	.64	.00	.24	.23	
17	480470100	39.333	122.916	1443	LAKEPORT	31.18	1.53	1.15	3.90	4.30	9.25	4.62	2.84	.03	.02	.17	.33	.00	
57	400471200	39.492	122.502	18	LAKE ROLAND	22.73	1.14	.51	4.67	1.78	6.82	4.93	.67	.00	.00	.07	.10	.00	
29	460471300	39.414	120.437	5150	LAKE SRAUDLING	70.73	3.47	3.46	5.70	6.09	20.52	17.47	4.68	.43	.42	.20	2.29	.00	
57	400472200	39.121	121.521	242	LAKE WILEHON	.00	2.76	.00	3.40	5.12	10.84	14.88	7.43	.43	.55	.44	.55	.00	
57	400473000	39.475	122.362	366	LAMB LAKE	30.11	1.35	.49	5.95	.40	10.49	8.72	1.50	.00	.00	.00	.10	.00	
32	450477300	39.482	120.992	4975	LA PORTE	.00	.00	.00	.00	.00	21.28	21.40	10.59	1.64	.00	.00	.00	.70	
08	480488000	39.153	122.436	330	LEESVILLE KEEGAN RANCH	24.55	.93	.34	3.86	.75	8.61	7.44	1.19	.00	.00	.25	.88	.00	
9	810488600	39.591	121.111	600	LEHMAN RCH	25.42	1.76	1.88	2.50	2.13	7.17	5.70	6.20	.16	.08	.08	1.36	.	

TABLE A-1 (Cont.)

PRECIPITATION IN NORTHEASTERN CALIFORNIA DURING WATER YEAR 1975

CO	STA NO	LAT	LONG	ELEV	STATION NAME	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
08	400523260	39.768	121.496	145	M AND T RANCH	22.87	2.27	1.10	4.46	.87	7.74	5.12	.66	.00	.00	.00	.27	.38
18	G20523100	41.055	120.471	5231	MADEIRA HMS	.70	.85	.34	1.30	.61	3.42	.00	.00	.00	.00	.00	.00	.00
17	A80525800	38.950	122.783	2380	MANHKE	45.60	1.72	2.05	6.11	4.36	13.48	14.95	2.47	1.15	.05	.11	.00	
52	A40529902	40.436	121.766	3250	MANTON 6 E	46.29	2.39	2.28	4.84	2.46	10.99	7.11	5.36	.47	.64	.10	.49	
39	B00530300	37.300	121.200	4	MATECCA	12.91	.98	.51	2.05	.77	2.85	3.17	.92	.00	.01	.02	.73	
45	A40531100	40.433	121.566	5850	HANZANITA LAKE	32.46	1.99	1.72	2.31	1.97	7.92	5.86	5.49	1.13	.87	.99	.24	
51	A00531110	39.734	121.682	.47	HANZANITA FS	23.40	1.71	1.58	3.95	.55	8.67	5.88	.76	.05	.01	.04	.26	
02	080535600	38.402	119.782	5544	HARMEVILLE	.00	.00	.00	1.84	3.95	.00	.00	.00	.00	.00	.00	.41	
28	A90536000	39.500	122.116	480	HARKLEY COVE	30.31	.88	.85	5.56	.44	12.60	6.56	1.09	.00	.03	.16	.14	
58	A00538500	39.146	121.584	60	HARVILLE	22.37	1.67	1.64	2.85	.73	9.46	4.59	.88	.12	.14	.05	.17	
34	A40543000	38.566	121.300	90	HAWTHALL F B	19.21	1.41	1.24	2.55	1.16	5.43	4.55	1.69	.07	.05	.04	1.01	
00	A00544901	39.276	122.186	91	MATHELL	13.55	1.03	.32	3.13	1.44	3.02	3.72	.39	.00	.00	.26	.20	
45	A10543000	41.012	121.650	2990	MCAHURRY-BURNLEY FALLS	28.83	1.43	1.23	2.34	1.43	10.32	6.05	3.43	.01	.84	.47	.71	
45	A00544730	38.660	121.391	70	MC CLELLAN AFB	23.12	1.28	.87	3.74	.58	7.16	5.33	1.68	.00	.07	.04	.50	
47	A20544900	41.266	122.133	300	MC CLOUD	58.38	2.09	3.08	7.13	2.63	15.44	14.58	3.43	.01	.95	.49	.35	
31	A70558800	39.444	120.740	3650	MICHIGAN BLUFF	.00	.27	2.57	3.13	5.07	9.68	11.08	4.95	.49	.00	.00	1.80	
17	A90559800	38.748	122.617	1122	MIDDELTOWN	.00	1.20	1.61	6.28	.00	.00	.00	.00	.00	.00	.00	.00	
17	A90559800	38.732	122.674	1785	MIDDELTOWN + WSW	.00	.00	.00	.00	.35	27.33	23.77	4.36	.29	.00	.18	.00	
18	060562100	40.174	120.363	414	MILFORD	16.29	.64	1.41	1.99	.44	5.60	2.51	.93	.00	.36	.17	.51	
18	060562300	40.133	120.350	4860	MILFORD LAUFMAN H S	21.46	1.17	1.39	2.61	1.41	6.54	3.47	1.53	.21	.37	.10	1.53	
52	A40567900	40.350	121.600	4910	MINERAL	52.91	2.15	2.92	4.98	2.72	16.44	10.40	8.03	.16	.25	.55	.23	
52	A05075200	39.788	120.632	3307	MOHAK R S	29.68	1.24	2.06	2.30	1.39	8.49	8.12	2.85	.10	.65	.00	1.02	
5	B20576305	38.995	120.615	1920	MONUMENT HILL SE	33.63	2.32	1.97	3.67	2.62	7.93	6.62	3.13	.46	.24	.27	.40	
60	B90588400	37.750	121.583	200	MOUNTAIN HOUSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
5	B20589205	38.244	120.567	2200	MOUNTAIN RANCH 2 NW	.00	1.74	1.96	3.68	3.98	7.98	9.51	4.53	.55	.10	.00	.90	
47	A20598300	41.316	122.316	3544	MOUNT SHASTA CITY	33.81	1.52	3.01	5.76	2.79	8.32	6.43	1.51	.09	.53	.12	.33	
3	A20603903	39.450	121.783	1780	MORPHY 2 N W	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
04	A00613000	39.450	121.783	1780	NELSON WESTERN CITY	24.33	1.62	1.64	3.76	1.30	8.41	5.52	1.53	.01	.05	.12	.32	
29	A00613600	39.258	121.010	2502	NEVADA CITY	54.61	2.92	2.74	5.75	3.68	18.16	12.53	5.12	.72	.38	.05	1.34	
29	A00613629	39.248	121.028	2716	NEVADA CITY R S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
31	A00615400	39.491	121.219	250	NEWCASTLE FOWLER	24.73	1.34	1.99	3.58	1.30	7.60	5.88	2.16	.10	.08	.00	.61	
51	A00615700	39.061	121.584	5	NEW ENGLAND ORCHARD	21.13	1.54	1.53	2.81	.50	8.70	4.58	1.09	.04	.08	.02	.14	
31	A00615940	39.024	121.543	43	NICOLAUS 2	19.92	1.16	1.22	1.16	.64	7.95	4.90	.78	.00	.05	.04	.12	
04	A00621600	39.005	121.506	18	NOMO	24.08	1.92	.93	4.65	1.26	6.97	5.95	.88	.00	.00	.85	.27	
19	A00623200	39.167	120.986	3290	NORTH BLUMFIELD	.00	.270	2.70	6.22	6.10	12.00	.00	.00	.00	.00	.00	.20	
29	A00627400	39.171	121.101	2091	NORTH SAN JUAN	47.81	.87	2.19	4.29	3.61	14.24	12.10	4.90	.84	.86	.14	1.17	
58	A00627900	39.119	121.061	1815	NORTH SAN JUAN AVE	53.11	1.84	.69	3.44	5.68	17.32	11.62	5.34	.53	1.18	.20	.62	
45	A10641500	40.474	121.431	430	OLD STATION	22.72	1.02	1.62	2.42	1.41	5.94	3.80	2.97	.49	.92	.17	1.63	
45	A30645500	40.483	122.616	980	ONO	37.01	.47	.71	5.74	2.55	10.30	12.87	2.89	.09	.00	.00	.20	
04	A00648134	38.686	121.218	235	ORANGEVALE	.00	1.49	1.14	2.39	1.22	5.47	4.76	1.29	.00	.00	.00	.00	
11	A00650500	39.416	122.328	312	ORLAND FRENCH RANCH	17.45	1.38	.78	.49	.26	5.53	4.22	.54	.00	.00	.45	.20	
11	A00650600	39.755	122.200	254	ORLAND FRENCH RANCH	20.37	1.49	1.14	5.06	.44	5.47	5.02	.73	.00	.00	.67	.20	
04	A00652100	39.406	121.558	171	ORVILLE	.00	1.87	1.14	5.03	.14	8.93	10.65	3.35	.00	.00	.24	.24	
04	A00652500	39.427	121.564	171	ORVILLE	.00	1.87	1.14	5.03	.14	8.93	10.65	3.35	.00	.00	.24	.24	
04	A00652700	39.427	121.479	845	ORVILLE DAM	.00	2.23	1.87	3.00	1.64	10.61	6.79	2.21	.19	.22	.00	.00	
04	A00658800	39.625	121.567	300	ORVILLE R S	23.70	1.50	1.40	3.00	2.38	7.70	6.00	1.50	.10	.00	.00	.00	
04	A70659700	39.740	120.500	344	PALFIC HOUSE	52.47	3.49	3.63	3.71	5.03	13.40	12.91	7.33	.76	.47	.08	1.70	
04	A00662000	39.435	121.548	156	PALEMON	22.38	1.57	1.54	2.56	.86	9.25	4.85	1.31	.02	.10	.05	.22	
04	A00668500	39.766	121.633	178	PARADISE	71.51	2.67	2.49	7.19	4.26	15.72	13.27	4.12	.00	.23	.14	.73	
04	A00669704	39.477	121.563	950	PANISH CAVE	36.08	1.58	1.88	4.77	3.73	12.51	8.93	2.53	.12	.10	.24	.61	
52	A00672600	39.483	122.533	755	PASKEWAT R S	27.45	1.83	.25	5.95	.81	6.75	9.71	1.26	.00	.00	.64	.25	
52	A40676100	40.333	121.900	1855	PAYSON CREEK	32.00	2.50	1.55	.66	1.61	9.47	4.46	3.18	.07	.59	.59	1.32	
39	B10069800	38.605	120.412	1405	PINE GATE CENS CAMP	61.89	3.68	3.36	3.14	4.83	12.95	10.55	3.35	.04	.00	.00	.00	
45	A20694400	40.000	121.500	2880	PIT RIVER PH	68.17	1.42	.87	2.44	.97	5.42	2.84	2.20	.25	.64	.31	.47	
45	A10694600	40.983	121.983	1458	PIT RIVER PH NO 5	17.80	2.00	1.88	8.53	3.75	18.48	21.86	.93	.29	.93	1.14	.85	
07	B80694900	39.423	121.855	14	PITTSBURGH DOW CHEMICAL	10.05	.50	.03	1.59	1.27	2.40	3.44	.61	.00	.00	.12	.00	
07	A70696000	38.729	120.797	189	PLACERVILLE	33.85	3.26	.71	2.13	2.69	9.44	.40	3.97	.55	.33	.00	1.01	
07	A70696200	39.230	120.741	2755	PLACERVILLE IFG	37.68	3.81	2.13	2.52	3.48	9.93	9.12	4.28	.66	.28	.02	1.29	
07	A70696400	38.732	120.845	1548	PLACERVILLE DIST PL	.00	.400	1.90	2.50	3.30	8.30	7.10	3.30	.40	.30	.00	1.00	
07	A90696800	38.596	121.406	65	PLAINFIELD 1 NW	15.98	.92	.54	3.31	.17	6.05	.40	.80	.00	.00	.01	.08	
48	A90697700	38.467	122.403	25	PLEASANT VALLEY	31.12	.84	.87	6.95	.44	12.16	8.09	.95	.00	.00	.16	.09	
32	A50698800	39.756	120.697	5185	PLUMAS EUREKA PARK	58.42	2.20	2.80	.42	3.82	16.61	17.20	7.50	.19	.30	.00	1.10	
3	B10700001	38.605	120.412	1405	PLYMOUTH 3 NE	30.75	1.61	1.35	2.74	1.02	6.04	.21	3.91	.29	.07	.01	1.75	
3	B10700003	38.617	120.932	445	PLYMOUTH 6 NW	22.29	1.57	1.94	2.14	1.54	5.94	.25	2.29	.12	.07	.00	1.21	
810	B10700004	38.553	120.811	1550	PLYMOUTH 4 NE	29.60	1.70	1.12	2.35	2.22	7.97	7.34	3.74	.35	.09	.01	1.85	
32	A50708500	39.404	120.471	4836	PORTLA	23.32	1.10	1.43	1.52	1.63	5.75	6.49	1.81	.65	.37	.00	1.58	
3	B20713600	38.943	120.436	35	PRESTON SCHOOL	23.52	2.19	1.64	1.72	2.09	6.82	5.83	2.34	.20	.07	.02	.00	
32	A40719500	39.034	120.940	3409	QUINCY R S	35.22	1.25	2.81	4.18	1.72	12.42	6.95	2.72	.93	.33	.09	.98	
04	A60721500	39.436	121.329	140	RAKEMBY	.00	.683	2.19	3.63	2.33	16.68	9.24	.00	.00	.00	.00	.00	
5	B20722100	38.305	120.543	254	RAILROAD FLAT	40.87	2.74	2.97	4.46	3.48	9.41	10.79	4.89	.47	.26	.17	1.25	
5	B20722122	38.400	120.600	2720	RAILROAD FLAT ADR	37.30	2.40	2.70	5.20	2.10	7.40	9.90	4.40	.50	.20	.20	1.20	
34	A00727400	38.441	121.308	85	RANCHO CRODVA	.00	1.46	1.18	2.26	1.19	6.84	4.82	1.70	.00	.00	.00	.00	
34	A00728434	38.408	121.100	227	RANCHO MURGETTA	30.05	1.03	.97	1.26	.66	1.74	5.88	.86	.00	.00	.00	.00	
18	G20726104	40.783	120.274	53														

TABLE A-1 (Cont.)

PRECIPITATION IN NORTHEASTERN CALIFORNIA DURING WATER YEAR 1975

CO	STA NO	EAT	NOON	ELEV	STATION NAME	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
34	406763335	34,646	121,337	72	SACRAMENTO RA44CN CFMT	0.00	.07	.51	1.26	.28	3.18	2.93	1.43	.00	.00	.00	.00	.00
29	476710100	34,646	121,337	3337	SHADY CREEK	36.33	.92	2.13	3.22	2.15	9.76	6.51	3.17	.72	.78	.01	.02	1.80
34	406768900	34,497	120,216	3700	SALT SPRINGS PH	50.46	2.86	3.13	5.09	2.22	12.31	12.37	6.15	1.02	.76	.09	1.66	.58
5	826776100	34,192	120,681	1120	SAN ANDREAS	26.92	1.55	2.21	3.07	1.65	6.11	8.56	2.39	.15	.04	.11	.96	.05
5	820776200	34,163	120,671	831	SAN ANDREAS P 5	27.42	2.16	2.14	2.78	1.90	6.74	8.66	2.26	.10	.00	.01	.06	.00
5	826775000	34,192	120,689	1105	SAN ANDREAS R 5	25.92	1.86	1.88	2.92	2.35	5.28	8.14	2.23	.15	.04	.10	.94	.03
46	460812900	34,000	120,983	3307	SCALES	91.45	4.00	4.75	7.31	8.14	28.42	24.80	8.10	1.26	.85	.56	2.96	.30
18	460817400	34,423	120,264	435	SECRET VALLEY	4.80	.65	.04	.77	.00	1.84	.35	.40	.08	.34	.04	.44	.00
29	460811229	34,329	121,106	201	SHADY CREEK	45.17	2.64	1.40	3.27	3.98	9.48	6.39	4.08	.34	.85	.13	.86	.05
45	460813500	34,716	122,416	1076	SHASTA DAM	63.84	3.16	2.92	9.24	3.34	16.62	23.16	3.95	.00	.31	.57	.47	.00
05	460814500	34,204	120,483	2350	SHEEP CANYON	40.49	3.30	2.50	5.90	2.80	9.10	11.30	4.00	.50	.26	.10	1.10	.10
45	460817500	34,444	121,048	3500	SINGLETON P 2	44.25	3.00	2.30	4.22	2.90	12.12	10.14	5.29	.19	.57	1.25	2.10	.13
46	460827600	34,364	120,639	4150	SIERA CITY	50.75	2.56	3.84	5.14	4.99	18.54	14.56	6.53	2.02	.24	.09	1.06	.10
45	460821800	34,493	120,368	4957	SIERA HILL P 5	25.61	.97	2.42	1.92	1.64	6.99	6.93	2.05	.97	.43	.00	.61	.48
34	460829311	34,483	121,206	123	SLOUGHHOUSE 15W	.00	1.65	1.55	2.36	.57	5.84	4.79	2.09	.00	.07	.00	.00	.00
58	460830000	34,202	121,287	802	SMARTVILLE	29.92	2.41	1.35	1.04	3.49	10.50	7.80	2.23	.20	.00	.17	.18	.07
29	460833200	34,325	120,366	6885	500A SPRINGS 1 E	60.92	2.79	3.24	5.72	7.20	15.78	14.11	7.05	1.84	1.13	.15	1.75	.16
11	460834400	34,420	120,558	3186	SOMERS 15 ESE	36.92	2.93	2.74	2.98	2.41	9.85	8.46	4.70	.72	.29	.09	2.33	.02
29	460835500	34,351	119,448	6886	SONGRA JUNCTION	.00	1.04	.61	1.93	.00	3.74	3.27	1.85	.55	.15	.15	.35	.64
31	460847400	34,194	120,236	6235	SOJAN VALLEY	58.36	2.21	3.51	5.60	4.90	18.76	12.32	5.95	1.61	1.05	.11	1.97	.31
44	460854400	34,904	121,527	3514	STARLING CITY P 5	.00	3.40	4.40	8.31	6.10	.00	14.80	8.00	1.00	.70	.86	2.20	.10
39	460855400	34,935	121,327	11	STOCKTON DISPOSAL PLT	13.70	1.20	.50	2.60	1.10	3.80	3.80	.30	.00	.00	.10	.00	.00
39	460858600	34,007	121,250	22	STOCKTON WAP	11.04	.97	.78	2.15	.93	2.15	3.80	.74	.00	.00	.07	.02	.01
39	460860000	34,000	121,316	12	STOCKTON FIRE STATION	11.20	1.17	.25	2.35	.47	4.23	2.88	1.19	.00	.02	.10	.55	.01
06	430865700	34,255	122,458	3620	STONEFORD COULEY HCM	46.80	1.77	1.96	6.80	3.14	15.90	14.11	3.17	.14	.05	.49	.13	.07
06	430858600	34,443	122,455	1186	STONYFORD P 5	21.82	.76	.18	3.72	1.74	7.20	7.01	.74	.00	.00	.14	.11	.02
11	430857470	34,684	122,533	77	STONY GORGE RES	22.32	1.26	.16	1.18	.53	6.74	4.22	1.06	.00	.00	.46	.71	.00
58	460860000	34,563	121,108	2808	STONY-BERRY VALLEY	46.72	4.04	4.22	7.30	6.25	20.03	22.08	8.82	1.17	.58	.37	1.54	.34
18	460870200	34,483	120,550	106	SUSANVILLE	12.70	.89	1.10	1.26	.28	4.77	1.55	1.14	.92	.27	.03	.13	.41
18	460873000	34,483	120,566	4555	SUSANVILLE 1A-W	16.08	.99	1.12	1.28	.93	6.42	2.90	1.61	.31	.29	.05	1.75	.43
51	460871000	34,141	121,746	46	SUTTER CITY	15.47	1.90	.27	1.61	2.05	6.44	2.92	.00	.00	.00	.17	.12	.00
3	460871300	34,477	120,460	1596	SUTTER MILL P 5	.00	2.08	2.39	.00	.00	.00	.00	.00	.00	.00	.00	.64	1.53
18	460874700	34,686	120,450	5300	TERMO	12.17	.82	.31	1.39	.56	3.32	1.34	1.52	.42	.78	.67	.84	.25
04	460875000	34,508	121,683	141	THERMALITO AFTERHAY	.00	1.69	1.28	1.88	.96	8.61	.00	.00	.00	.00	.00	.00	.00
31	460876200	34,444	120,491	2355	TIMBER CREEK PH	46.57	4.28	2.80	8.90	4.09	11.73	14.62	5.92	.63	.34	.17	1.90	.47
51	460893311	34,444	121,779	3	TISDALE BYPASS	17.06	1.48	.55	2.52	.43	7.05	1.48	.34	.00	.02	.06	.10	.03
34	460898430	34,600	121,435	5	TOWN AND CITY WITCHL	.00	1.25	1.12	3.33	.57	5.58	4.08	1.36	.00	.08	.03	.24	.00
39	460899500	34,737	121,424	53	TRACY FIRE STATION	9.51	.64	1.14	1.63	.41	1.52	2.52	1.73	.00	.04	.04	.04	.00
39	460899900	34,495	121,413	137	TRACY CARBONIA	9.99	.62	.23	1.77	.34	1.99	2.86	1.44	.00	.01	.04	.89	.07
34	460900100	34,795	121,561	01	TRACY PUMPING PLANT	11.09	.43	.31	1.90	.33	3.04	3.40	.92	.00	.00	.14	.32	.00
29	460904300	34,429	120,198	5995	THURKEE H 5	29.67	1.33	1.49	2.74	2.39	7.65	4.01	3.82	.82	.52	.00	.88	.12
32	460919500	34,419	121,078	2841	TWAIN	.00	1.57	2.46	.67	1.79	13.53	8.99	3.02	.35	.00	.00	.00	.00
42	460910500	34,760	120,940	7424	TWIN LAKES	48.11	1.74	2.74	5.28	4.80	11.43	10.95	6.15	1.42	.95	.07	1.92	.71
17	460916700	34,183	123,033	1520	UPPER LAKE P 5	47.46	1.47	1.93	7.02	5.13	13.17	15.01	2.64	.00	.08	.09	.31	.03
48	460920000	34,361	121,949	104	VACAVILLE	20.92	1.19	.88	3.07	1.49	7.76	5.42	.94	.00	.01	.14	.00	.00
5	460925200	34,192	120,836	695	VALLLEY SPRINGS	21.93	1.80	1.61	1.95	1.25	4.84	7.17	1.88	.08	.00	.10	1.25	.02
5	460929300	34,132	120,962	36	VALLLEY SPRINGS 65W	17.02	1.84	1.44	1.72	.90	3.48	4.93	1.91	.01	.02	.06	1.21	.00
51	460937000	34,749	121,595	43	VERONA	13.45	.98	.69	2.33	.49	4.73	3.64	.38	.00	.02	.01	.18	.07
52	460934200	34,938	122,361	202	VINA MONASTERY	24.37	1.75	1.18	4.88	.75	6.69	6.60	1.54	.00	.00	.77	.31	.00
32	460935100	34,419	120,188	4945	VINTON	11.91	.94	.71	1.01	.44	2.08	2.37	1.01	.35	.40	.03	1.68	.69
45	460938800	34,465	122,433	1380	VOLLERS	73.53	3.16	7.12	10.10	3.32	19.36	24.76	4.58	.19	.07	.61	.29	.00
45	460939300	34,445	121,864	2200	VOLTA PH	33.05	3.00	1.74	3.88	2.80	8.31	5.61	.40	.00	.12	.51	.88	2.18
5	800941650	34,191	120,962	214	WALLACE 1 LYNE	17.49	1.37	1.33	2.62	1.09	4.59	.40	1.79	.00	.01	.04	1.13	.03
34	460942600	34,237	121,516	21	WALNUT GROVE	.00	1.15	.30	2.10	.68	4.23	3.76	.61	.00	.00	.00	.00	.00
29	460945500	34,457	120,708	260	WASHINGTON	.00	3.63	3.24	.00	2.19	19.92	14.51	6.09	1.10	.58	.06	3.65	.07
18	460952600	34,244	120,873	4035	WENDEL 10 SE	6.76	.88	.35	.61	.28	1.85	1.34	1.12	.00	.27	.46	.99	.42
18	460952601	34,456	120,208	4000	WENDEL 1 E	9.47	.71	.42	2.17	.11	1.89	1.58	.75	.24	.59	.21	1.54	.50
57	460953000	34,576	121,366	15	WEST ACRES	.00	.57	.66	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	820958200	34,400	120,533	274	WEST POINT	36.05	2.66	2.70	3.10	4.85	8.78	9.69	2.71	.37	.20	.11	1.66	.02
58	460960500	34,427	121,349	165	WHEATLAND P 2E	.00	1.49	1.49	2.75	.00	8.31	6.81	1.42	.00	.00	.03	.12	.00
45	460962100	34,416	122,533	1311	WHEATSTOWN WHEATSTOWN	62.49	2.52	1.49	9.49	2.25	10.52	23.84	4.65	.05	.21	.64	.29	.00
06	460967700	34,155	122,150	9	WILLIAMS	.00	1.65	.32	3.81	.20	.00	.00	.00	.00	.00	.00	.00	.01
25	460969500	34,192	120,356	500	WILLOW RANCH	13.01	.59	.30	4.82	.88	2.09	2.76	2.10	.00	.32	.17	.58	.26
18	460969600	34,456	120,686	493	WILLOW CH HUMBER HCM	17.12	1.14	1.37	1.80	.31	4.83	7.50	2.28	.32	.41	.26	1.74	.36
11	460969400	34,433	122,260	14	WILLOWS	15.51	1.23	.76	3.97	.22	4.28	4.80	.74	.00	.00	.31	.19	.01
57	460974200	34,422	121,094	134	WINTERS	22.08	1.09	.59	4.81	.25	7.86	6.58	.84	.00	.00	.00	.13	.07
06	460974200	34,454	121,058	14	WINTERS WOODL H CM	22.04	1.02	.74	4.56	.33	7.74	6.17	1.46	.00	.00	.10	.12	.07
46	460974500	34,400	121,468	137	WINTERS WOLFSKILL HCM	41.40	1.06	.64	4.02	.18	7.40	6.41	1.07	.00	.00	.09	.14	.00
29	460976400	34,422	121,160	2631	WOLF MOUNTAIN	.00	2.90	2.58	3.46	.47	12.37	10.17	4.69	.50	.00	.00	.00	.00
02	460977500	34,776	119,424	5671	WOODPOINTE	23.17	1.73	1.49	2.10	2.30	4.78	5.12	2.74					

TABLE A-2

INDEX OF STORAGE GAGE PRECIPITATION STATIONS

This table lists and shows location and other information for the storage gages for which the seasonal accumulation of precipitation is reported in the following table. These gages are located in the remote mountain regions where no observers are available to operate conventional rain gages. Storage precipitation gages are tanks with capacity for storing an entire year's rainfall along with antifreeze to melt frozen precipitation and oil to prevent evaporation losses. Once each year, in the summer or early fall, the precipitation that has accumulated since the last measurement is measured and then emptied out. With the addition of the proper amount of oil and antifreeze, the gage is ready to receive the next season's amount. Although logistics preclude conducting the measurement operation exactly at the end of the water year and exactly one year following the previous measurement, the gages fairly accurately depict the total precipitation for the water year because usually a very small amount of precipitation occurs in the summer months.

An explanation of the column headings and the code symbols used in connection with the storage gage station listing follows:

Station Number - Each station in these tables has been assigned an identification number as explained in the Introduction to this appendix.

40-Acre Tract - This denotes the location of the station within a section subdivision of the U. S. Public Land Survey. The letter code is derived from the section diagram to the right.

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Base and Meridian - The code for this column is as follows:

M - Mount Diablo Base and Meridian

Cooperator Number - This number is assigned from the following list:

000	Private Cooperators
419	Tehama County Flood Control and Water Conservation District
814	California Department of Water Resources, Snow Surveys
900	National Weather Service
903	U. S. Corps of Engineers
905	U. S. Forest Service
911	Military Weather Stations in California

County - This is a standard code for California counties and is explained in the Introduction to Table A-1.

TABLE A-2 (Cont)
INDEX OF STORAGE GAGE PRECIPITATION STATIONS
NORTHEASTERN CALIFORNIA

Station		Elevation (in feet)	Section	Township	Range	40-Base Feet	Base & Meridian	Latitude		Longitude		Coastal Number	Coastal Index Number	Record Begin	Record End	Years Missing	County
Number	Name							0	1	0	1						
A3 0093	ALDER SPRINGS	4400	SEC 24	T21N	R08W	G	M	39	39	122	42	26	903	1966			11
A3 0468	BALL MOUNTAIN LOOKOUT	6500	SEC 17	T24N	R08W	M		39	56	00	122	47	00	900	1948		11
A1 0867	BLACKS MOUNTAIN	7200	SEC 33	T34N	R07E	M		40	46	00	121	12	00	900	1941	18	11
A5 1002	BOULDER CREEK GUARD STATION	5020	SEC 15	T27N	R12E	G	M	40	11	52	120	36	45	903	1964		32
G7 1096	BROCKWAY SUMMIT	7200	SEC 03	T16N	R17E	K	M	39	16	120	04		903	1961			29
A7 1133	BRUSHY SPRINGS GUARD STATION	4880	SEC 06	T13N	R13E	M		39	00	20	120	34	40	000	1951		31
A1 1238	BUTTE LAKE	6060	SEC 10	T31N	R06E	F	M	40	33	48	121	18	06	900	041237	1960	18
A5 1348	CAMEL PEAK	5560	SEC 32	T22N	R08E	H	M	39	43	26	121	05	58	000	1967		32
G3 1644	CHAMPS FLAT	5590	SEC 27	T33N	R09E	M	M	40	41	42	120	57	30	000	1959		18
A5 1783	CLARKS PEAK 1 NE	5910	SEC 10	T27N	R13E	H	M	40	12	50	120	29	34	000	1958		32
A5 1845-32	CLOVER VALLEY	5500	SEC 07	T24N	R14E	R	M	39	56	40	120	27	00	000	1963		32
A1 2320	DEAD HORSE RESERVOIR 2 SE	5075	SEC 35	T45N	R12E	L	M	41	42	00	120	33	00	000	1959		20
A4 2335	DEER CREEK FLAT	1910	SEC 14	T25N	R01E	J	M	40	01	16	121	49	34	419	PN2335	1973	52
A4 2416	DEWITT PEAK 2 WSW	1480	SEC 33	T27N	R01W	R	M	40	08	43	121	58	23	419	1960		52
G2 2460	DODGE RESERVOIR 3 NNE	6400	SEC 11	T36N	R16E	C	M	41	00	30	120	07	30	000	1959		18
A7 3153	FORNI RIDGE	7600	SEC 16	T11N	R16E	M		38	48		120	13		814	1966		09
A7 3388	GORLE CREEK CAMP	5400	SEC 11	T13N	R14E	L	M	38	59	06	120	22	45	000	1945		09
A5 3549-32	GRANITE SPRING	5765	SEC 13	T26N	R14E	J	M	40	06	23	120	20	34	000	1963		32
B2 3952	HIGHLAND LAKES	8700	SEC 32	T08N	R20E	Q	M	38	29	48	119	47	48	000	003954	1960	02
A4 4019	HOGBACK ROAD	1320	SEC 05	T27N	R01W	F	M	40	13	27	122	00	03	419	1960		52
A1 4815	LASSEN CREEK UPPER	6775	SEC 21	T45N	R15E	R	M	41	45		120	14	42	000	1958		25
A5 4932	LIGHTS CREEK	5320	SEC 02	T27N	R11E	F	M	40	13	48	120	42	30	000	1959		32
A5 4977	LITTLE LAST CHANCE VALLEY	5730	SEC 05	T24N	R16E	M	M	39	57	40	120	13	00	000	1959		32
A3 5043	LOG SPRING	5050	SEC 29	T23N	R08W	D	M	39	49	36	122	47	29	903	1964		52
A1 5081-01	LONG BELL STATION	4375	SEC 20	T42N	R05E	B	M	41	28	00	121	25	00	000	1958		25
G7 5163	LOWER MEADOW	5760	SEC 25	T20N	R17E	A	M	39	33	42	120	01	54	911	1957	1972	46
B1 5189	LUMBERYARD	6480	SEC 15	T08N	R15E	F	M	38	32	55	120	18	24	000	1967		09
A4 5444	MCCARTHY POINT	3800	SEC 19	T27N	R03E	M		40	11	00	121	41	00	900	1945		52
A1 5505	MEDICINE LAKE	6725	SEC 10	T43N	R03E	C	M	41	35	00	121	37	00	900	1946		47
A5 5956	MT HOUGH SNOWCOURSE	6760	SEC 08	T25N	R10E	J	M	40	02	29	120	52	43	000	1964		32
A2 5982	MT SHASTA SLOPE	7500	SEC 30	T41N	R03W	Q	M	41	22	00	122	16	00	900	1947		47
A3 6212	NOEL SPRING	5000	SEC 05	T19N	R07W	B	M	39	32	16	122	40	12	903	1964		11
A5 6452	ONION VALLEY	6530	SEC 05	T22N	R10E	G	M	39	48	00	120	53	06	000	1959		32
A1 6750	PATTERSON MEADOW	7000	SEC 29	T39N	R16E	M		41	11	00	120	12	00	000	1958		25
A1 6803	PEPPERDINES CAMP	6650	SEC 28	T42N	R15E	F	M	41	26	30	120	14	00	000	1958		25
A7 7492	ROBERTSON FLAT	6740	SEC 11	T15N	R13E	N	M	39	09	26	120	30	06	000	1946		31
A3 7637	SADDLE CAMP RANGER STATION	3850	SEC 30	T27N	R08E	M		40	10	00	122	48	00	900	1945		52
A2 8591	STOUTS MEADOW	5300	SEC 01	T38N	R01W	B	M	41	10	00	121	56	00	900	1946		45
A5 8716	SKAIN MOUNTAIN	6160	SEC 20	T30N	R08E	J	M	40	26	40	121	06	00	000	1957		32
A1 8718	SWRAGERAT FLAT	6000	SEC 11	T39N	R10E	F	M	41	14		120	47	30	000	1958		25
A7 8881	THE CEDARS	5900	SEC 13	T16N	R14E	L	M	39	15	00	120	21	12	000	1945		31
A5 8909	THREE MILE VALLEY	5900	SEC 36	T24N	R12E	A	M	39	54	05	120	34	15	000	1959		32
A3 9037	TROUGH SPRING	4000	SEC 28	T17N	R07W	L	M	39	17	48	122	39	11	903	1964		06
A4 9098	TWENTY MILE HOLLOW	2800	SEC 07	T26N	R02E	F	M	40	07	33	121	48	12	000	1960		52
A7 9597	WESTVILLE	5290	SEC 05	T15N	R12E	J	M	39	10	30	120	19	08	000	1948		31
A7 9816	WRIGHTS LAKE	6950	SEC 32	T12N	R16E	J	M	38	50	30	120	14	02	900	1946		09

TABLE A-3
STORAGE GAGE PRECIPITATION DATA

Station	Agency	1974-75 Season	
		Measurement Period	Precipitation in Inches
SACRAMENTO RIVER BASIN			
PIT RIVER A1			
BLACKS MOUNTAIN	DWR Northern District	6-17-74	8-25-75 33.06
BUTTE LAKE	DWR Northern District	6-28-74	7-03-75 41.73
DEAD HORSE RESERVOIR 2 SE	DWR Northern District	6-20-74	6-13-75 NR
LASSEN CREEK UPPER	DWR Northern District	6-19-74	8-26-75 18.73
LONG BELL STATION	DWR Northern District	6-20-74	6-12-75 17.08
MEDICINE LAKE	DWR Northern District	8-29-74	8-28-75 43.25
PATTERSON MEADOW	DWR Northern District	6-18-74	8-27-75 34.67
PEPPERDINES CAMP	DWR Northern District	6-19-74	8-26-75 35.91
SWEAGERT FLAT	DWR Northern District	6-18-74	8-25-75 33.33
SHASTA LAKE A2			
MT. SHASTA SLOPE	DWR Northern District	8-28-74	8-29-75 67.34
STOUTS MEADOW	DWR Northern District	8-28-74	8-28-75 87.35
SACRAMENTO VALLEY WESTSIDE A3			
ALDER SPRINGS	COE Sacramento District	8-22-74	8-14-75 35.65
BALL MOUNTAIN LOOKOUT	DWR Northern District	6-11-74	6-06-75 51.12
LOG SPRING	COE Sacramento District	8-22-74	8-13-75 34.60
NOEL SPRING	COE Sacramento District	8-22-74	8-14-75 47.00
SADDLE CAMP RANGER STATION	DWR Northern District	6-14-74	6-03-75 38.75
TROUGH SPRING	COE Sacramento District	8-23-74	8-15-75 46.85
SACRAMENTO VALLEY NORTHEAST A4			
DeWITT PEAK 2 WSW	DWR Northern District	6-12-74	6-04-75 25.19
HOGBACK ROAD	DWR Northern District	6-12-74	6-04-75 30.82
MCCARTHY POINT	DWR Northern District	6-13-74	6-05-75 42.82
TWENTY MILE HOLLOW	DWR Northern District	6-13-74	6-05-75 26.19
FEATHER RIVER A5			
BOULDER CREEK GUARD STATION	DWR Central District	8-21-74	8-19-75 27.87
CAMEL PEAK	DWR Central District	8-19-74	8-18-75 70.45
CLARKS PEAK 1 NE	DWR Central District	8-21-74	8-28-75 26.77
CLOVER VALLEY	DWR Central District	8-22-74	8-29-75 20.52
GRANITE SPRING	DWR Central District	8-21-74	8-19-75 18.82
LIGHTS CREEK	DWR Central District	8-20-74	8-28-75 39.01
LITTLE LAST CHANCE VALLEY	DWR Central District	8-21-74	8-29-75 18.28
MT. HOUGH SNOWCOURSE	DWR Central District	8-20-74	8-28-75 56.29
ONION VALLEY	DWR Central District	8-19-74	8-18-75 58.66
SWAIN MOUNTAIN	DWR Central District	8-20-74	8-19-75 54.94
THREE MILE VALLEY	DWR Central District	8-22-74	8-29-75 41.94
AMERICAN RIVER A7			
BRUSHY SPRINGS GUARD STATION	Placer County Water Agency	8-08-74	7-17-75 49.86
FORNI RIDGE	DWR Snow Surveys	9-30-74	10-09-75 56.92
GERLE CREEK CAMP	Sacramento Muni. Util. Dist.	9-10-74	9-09-75 55.87
ROBERTSON FLAT	Placer County Water Agency	7-26-74	7-17-75 72.63
THE CEDARS	DWR Central District	9-16-74	9-12-75 58.27
WESTVILLE	Placer County Water Agency	7-26-74	7-17-75 55.79
WRIGHTS LAKE	Sacramento Muni. Util. Dist.	9-10-74	9-09-75 59.67
SAN JOAQUIN RIVER BASIN			
COSUMNES RIVER B1			
LUMBERYARD	DWR Central District	10-04-74	9-15-75 69.50
MOKELUMNE-CALAVERAS RIVERS B2			
HIGHLAND LAKES	DWR San Joaquin District	7-10-74	7-10-75 32.6
NORTH LAHONTAN AREA			
MADELINE PLAINS G2			
DODGE RESERVOIR 3 NNE	DWR Northern District	6-18-74	8-27-75 17.27
EAGLE LAKE G3			
CHAMPS FLAT	DWR Northern District	6-17-74	6-13-75 20.68
TRUCKEE RIVER G7			
BROCKWAY SUMMIT	COE Sacramento District	11-01-74	7-16-75 34.90

NR - No Record due to vandalism

APPENDIX B

SURFACE WATER MEASUREMENTS

This appendix contains surface water data for the 1975 water year, which is from October 1, 1974, to September 30, 1975. The data consists of unimpaired runoff; daily mean discharges; daily mean gage heights, maximum and minimum gage heights; elevations of daily tides; gaging station locations; diversion quantities; water imported to the report area; water exported from the report area; summary of water supply and utilization for the Sacramento-San Joaquin Delta; streamflow measurements at miscellaneous locations; corrections and revisions to previously published reports; and contents and inflow for major reservoirs.





Each station in this appendix has been assigned an identification number. The first two digits denote the hydrographic unit as shown below. The remaining digits further identify the station.

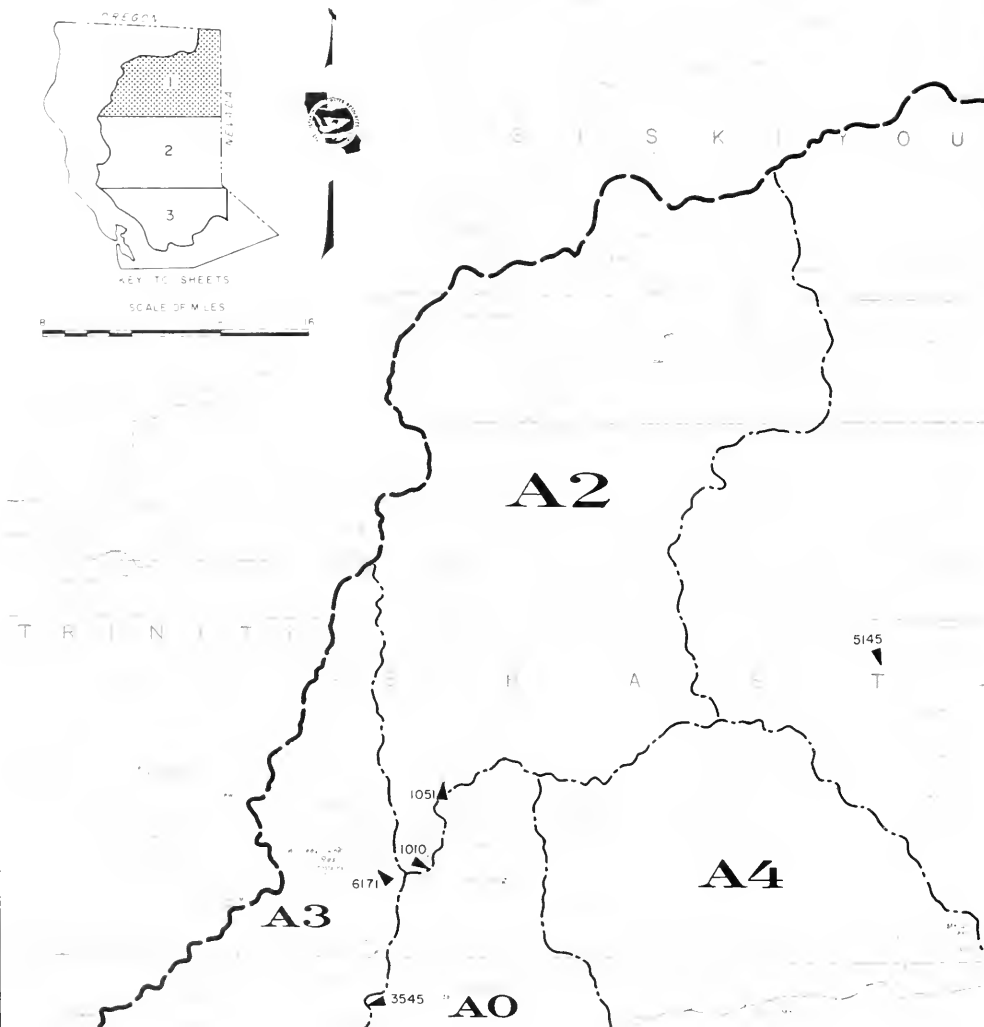
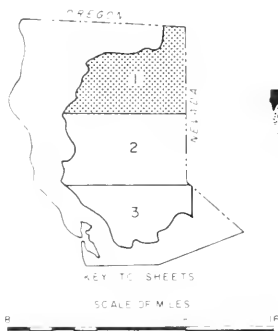
<u>Sacramento River Basin</u>	<u>San Joaquin River Basin</u>	<u>North Lahontan Area</u>
A0 Sacramento Valley Floor	B0 San Joaquin Valley Floor	G1 Surprise Valley
A1 Pit River	B1 Cosumnes River	G2 Madeline Plains
A2 Shasta Lake	B2 Mokelumne-Calaveras Rivers	G3 Eagle Lake
A3 Sacramento Valley Westside	B8 San Joaquin Valley Westside	G4 Susan River
A4 Sacramento Valley Northeast	B9 Sacramento-San Joaquin Delta	G5 Smoke River
A5 Feather River		G6 Herlong
A6 Yuba-Bear Rivers		G7 Truckee River
A7 American River	<u>San Francisco Bay Area</u>	G8 Carson River
A8 Cache Creek		G9 Walker River
A9 Putah Creek	E0 San Francisco Bay	

In addition to data collected and published by the Department of Water Resources in this appendix, the U. S. Geological Survey collects and publishes data on many additional gaging stations for the same report area. This work is done under a federal-state cooperative contract or through cooperative arrangements with other local or governmental agencies. The data published in the following reports together with this report present a comprehensive analysis of water resources for the area:

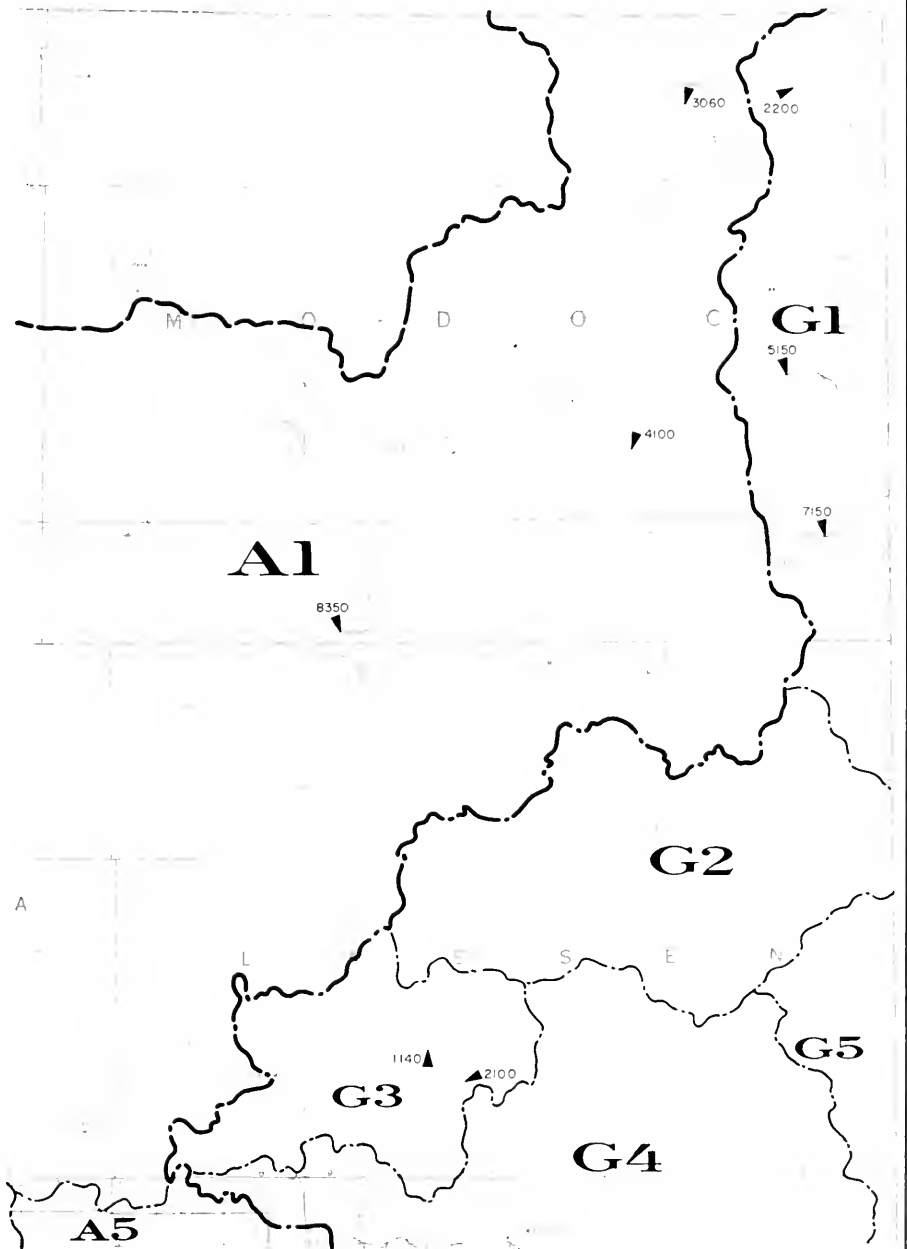
1. "Water Resources Data for California, Part 1: Surface Water Records, Volume 2: Northern Great Basin and Central Valley". U. S. Department of the Interior, Geological Survey.
2. "Annual Report of Operations, Central Valley Operations Office, Water and Power Control Division". U. S. Department of the Interior, Bureau of Reclamation.
3. Bulletin No. 120, "Water Conditions in California, Fall Issue". Department of Water Resources.
4. Bulletin No. 132, "The California State Water Project". Department of Water Resources.
5. Bulletin No. 157, "Index of Stream Gaging Stations in and Adjacent to California, 1970". Department of Water Resources. This index contains the period of record -- with number of years missing -- and more information for stations in the report area. The index also identifies the agency from which a particular record may be obtained.

LEGEND

-  BOUNDARY OF AREA OF INVESTIGATION
-  MAJOR DRAINAGE BOUNDARY
-  HYDROGRAPHIC BOUNDARY AND FIRST TWO SYMBOLS OF STATION CODE NUMBER
-  MEASUREMENT STATION AND LAST FOUR SYMBOLS OF THE STATION CODE NUMBER



SURFACE WATER MEASUREMENT STATIONS 1974 - 75

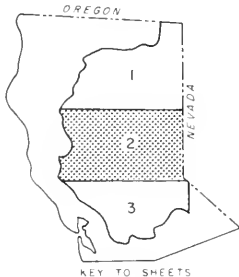


SURFACE WATER MEASUREMENT STATIONS 1974 - 75

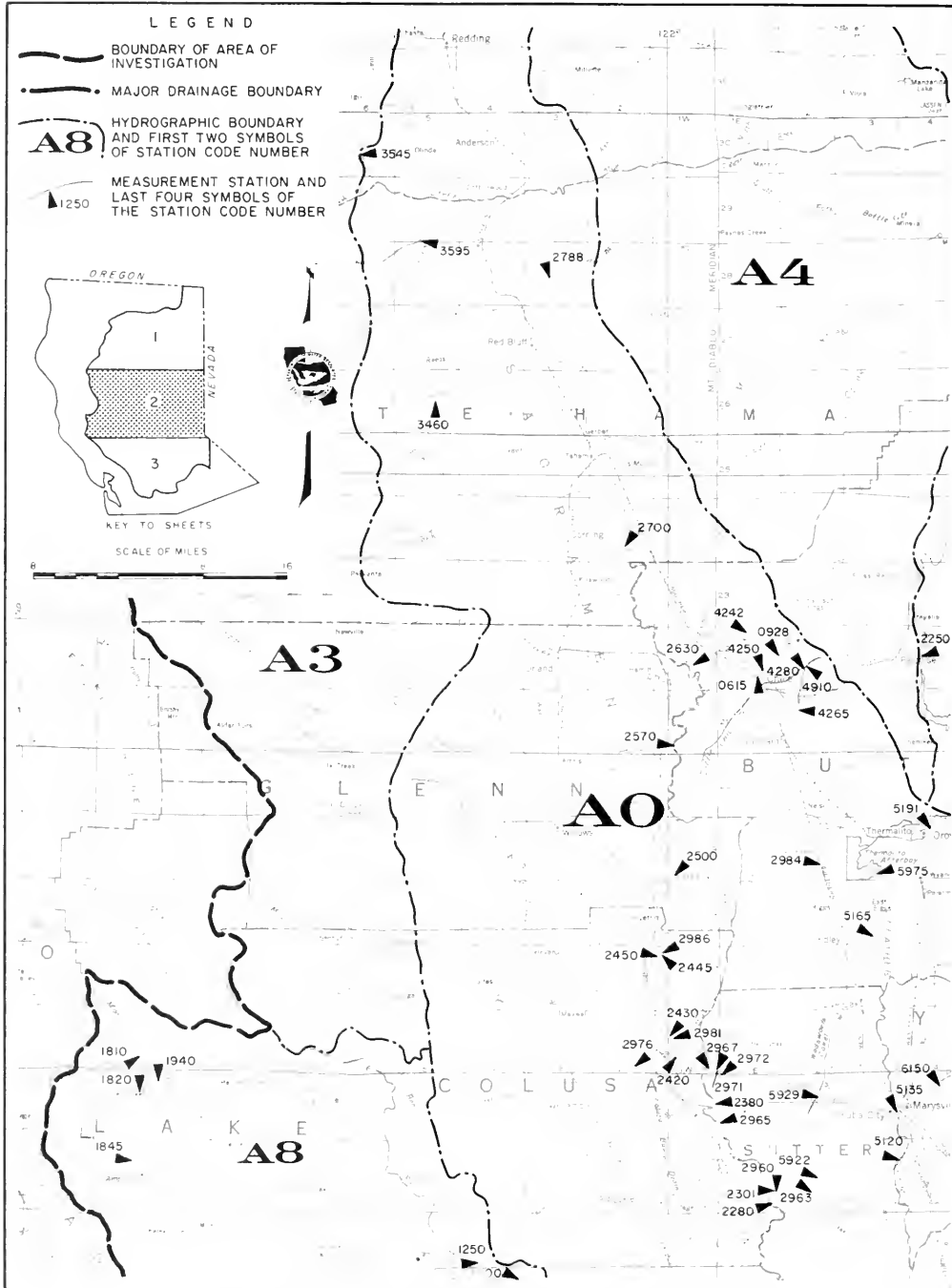
BOUNDARY OF AREA OF INVESTIGATION

HYDROGRAPHIC BOUNDARY
AND FIRST TWO SYMBOLS
OF STATION CODE NUMBER

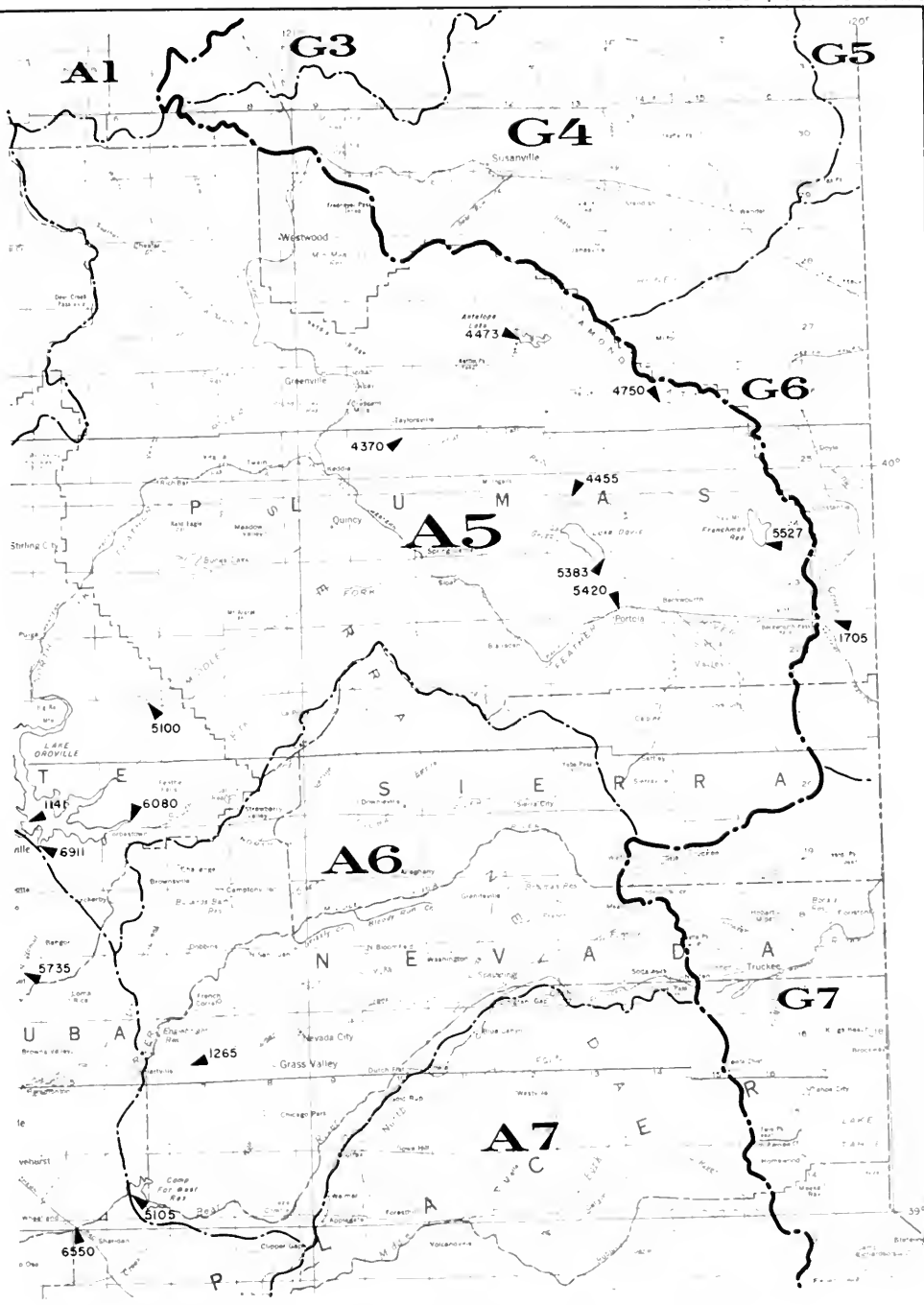
MEASUREMENT STATION AND
LAST FOUR SYMBOLS OF
THE STATION CODE NUMBER



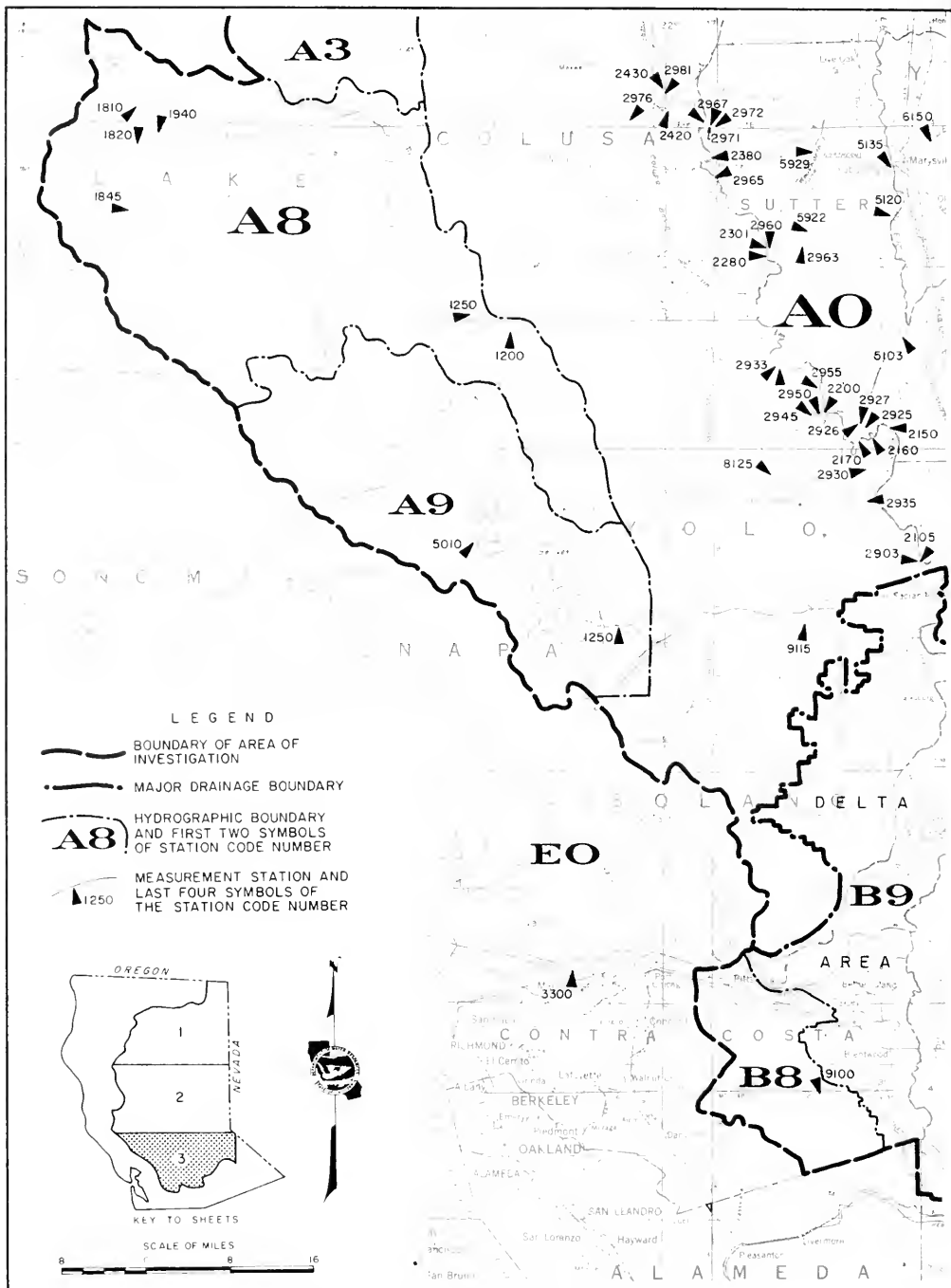
SCALE OF MILES



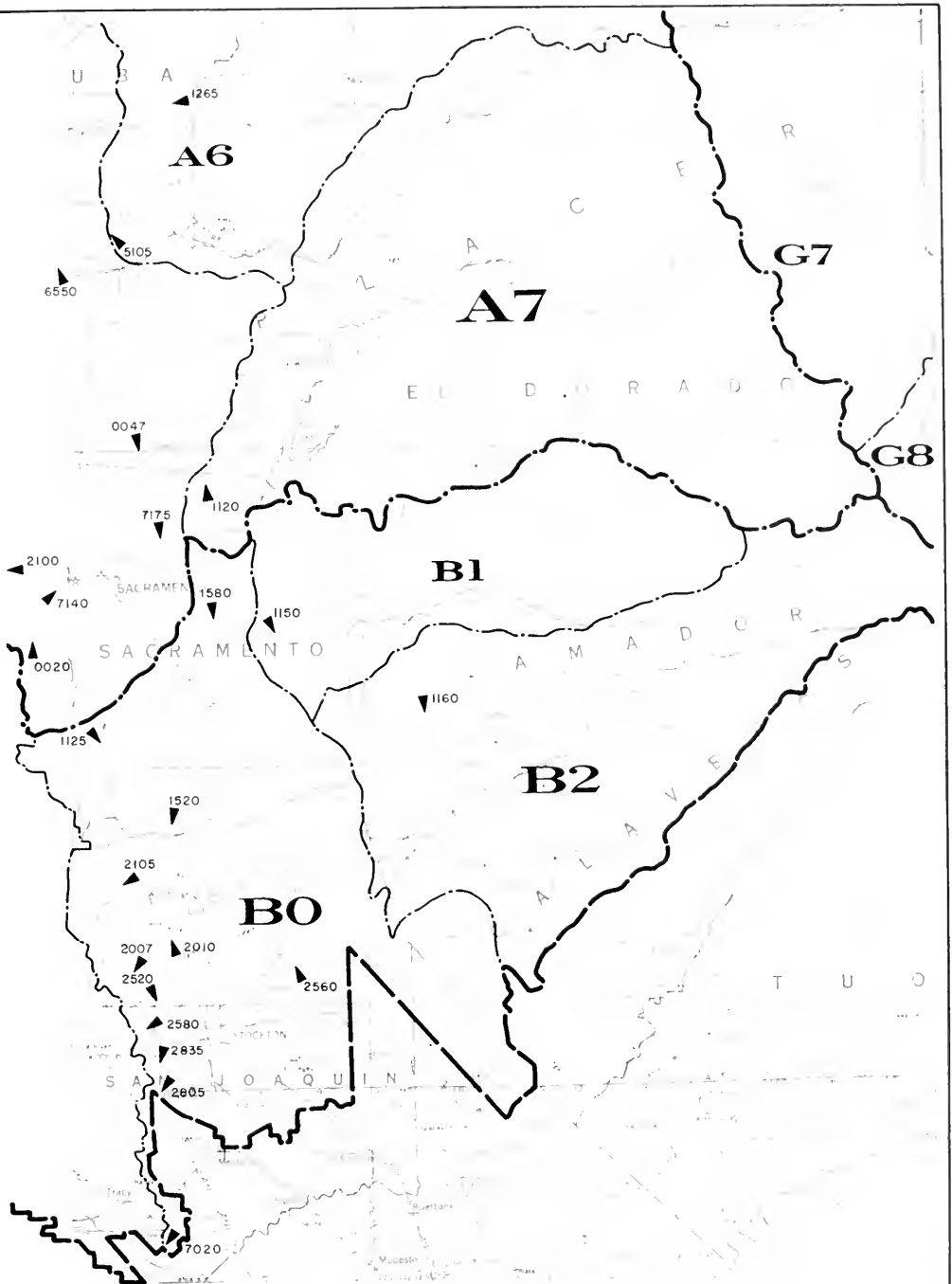
22



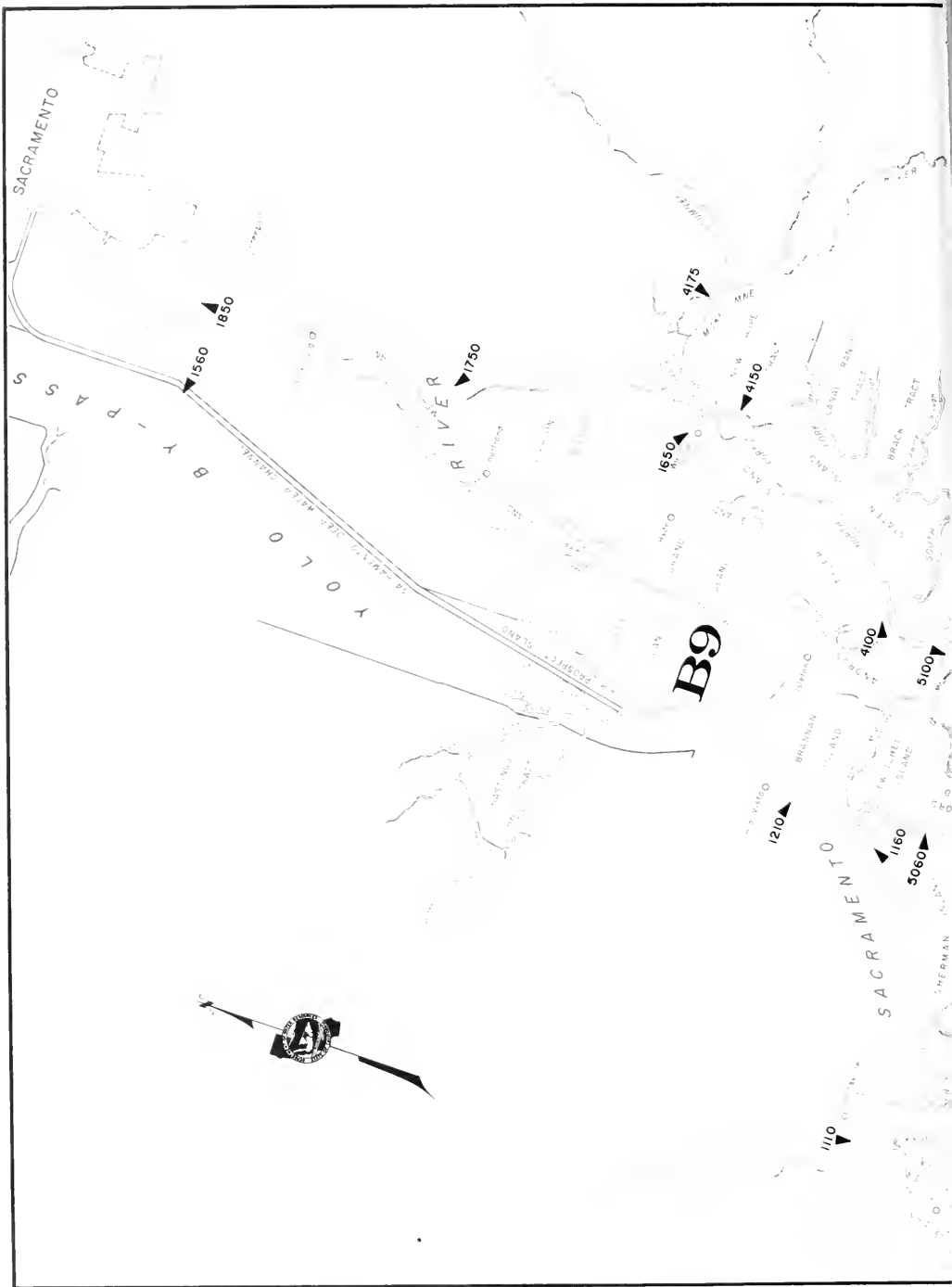
SURFACE WATER MEASUREMENT STATIONS 1974 - 75



SURFACE WATER MEASUREMENT STATIONS 1974 - 75



SURFACE WATER MEASUREMENT STATIONS 1974 - 75



SURFACE WATER MEASUREMENT STATIONS 1974-75



LEGEND

B9FIRST TWO SYMBOLS OF
STATION CODE NUMBERMEASUREMENT STATION AND
LAST FOUR SYMBOLS OF THE
STATION CODE NUMBER

5820

SACRAMENTO - SAN JOAQUIN
DELTA AREA

SURFACE WATER MEASUREMENT STATIONS 1974-75

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Burney Creek near Burney	A15145	45	
Butte Creek near Durham	A04265	60	
Butte Slough at Mawson Bridge	A02971	145
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Cache Creek above Rumsey	A81200	99	
Cache Creek at Yolo.	A08125	138
Calaveras River near Stockton	B02520	106	
California Aqueduct at Delta Pumping Plant	B95920	119	
Camp Far West Reservoir near Shoridan.	A65105	228
Cedar Creek near Cedarville	G15150	122	
Cherokee Canal near Richvale	A02984	62	137
Clover Creek Bypass near Upper Lake	A81940	97	
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Dry Creek near Galt.	B01520	113	
Dry Creek at Roseville	A00047	93	
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Feather River near Gridley	A05165	88	150
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Feather River at Nicolaus	A05103	153
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Grantline Canal at Tracy Road Bridge	B95300	202
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Italian Slough near Yreath.	B95278	200
Lake Davis near Portola	A55383	225
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Lassen Creek near Willow Ranch	A13060	42	
Last Chance Creek at Dixie Refuge Damsite	A54750	80	
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Long Valley Creek near Hallelujah Junction	G61705	125	
Marsh Creek near Byron.	B89100	120	
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Middle River at Bacon Island.	B95460	192
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Old River near Byron	B95270		204
Old River at Clifton Court Ferry	B95340		198
Old River at Head	B95400		178
Old River near Rock Slough	B95180		206
Old River near Tracy Road Bridge	B95380		194
Palermo Canal at Oroville Dam	A56911	85	
Pine Creek near Alturas	A14100	43	
Pine Creek at Eagle Lake near Susanville	G31140	124	
Pope Creek near Pope Valley	A95010	100	
Putah Creek near Winters	A91250		139
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Reclamation District 1660 Drainage to Tisdale Bypass	A02963	75	
Red Bank Creek near Red Bluff	A03460	48	
Red Clover Creek above Abbey Bridge Damsite	A54455	79	
Sacramento River above Bend Bridge near Red Bluff	A02788		136
Sacramento River at Butte City	A02500		136
Sacramento River at Collinsville	B91110		174
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Sacramento River at Colusa Weir	A02430		142
Sacramento River near Freeport	B91850		162
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Sacramento River at Hamilton City	A02630	50	136
Sacramento River at Keswick	A021010		136
Sacramento River at Knights Landing	A02200		137
Sacramento River at Meridian	A02380		143
Sacramento River at Moulton Weir	A02445		140
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San Joaquin River at Mossdale Bridge	B95820		176
San Joaquin River at Rindge Pump	B95620		184
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Squirrel Creek near Penn Valley	A61265	90	
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Yolo Bypass near Woodland	A02935	102	139
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A00020	Morrison Creek near Sacramento	116 -
0047	Dry Creek at Roseville	93 -
0615	Lindo Channel near Chico	54 -
0928	Mud Creek Diversion at Chico	52 -
2100	Sacramento River at Sacramento	94 156
A02105	Sacramento River at Sacramento Weir	- 155
2150	Sacramento River at Verona	- 154
2160	Sacramento River at Fremont Weir, East End	- 148
2170	Sacramento River at Fremont Weir, West End	- 147
2200	Sacramento River at Knights Landing	- 137
A02280	Sacramento River below Wilkins Slough	- 137
2301	Sacramento River at Tisdale Weir	- 144
2380	Sacramento River at Meridian	- 143
2420	Sacramento River at Colusa	- 137
2430	Sacramento River at Colusa Weir	- 142
A02445	Sacramento River at Moulton Weir	- 140
2450	Sacramento River opposite Moulton Weir	- 141
2500	Sacramento River at Butte City	- 136
2570	Sacramento River at Ord Ferry	55-56 136
2630	Sacramento River at Hamilton City	50 136
A02700	Sacramento River at Vina Bridge	49 136
2788	Sacramento River above Bend Bridge near Red Bluff	- 136
2903	Sacramento Weir Spill to Yolo Bypass	92 -
2925	Sacramento Slough at Sacramento River	77 -
2926	Reclamation District 1500 Drainage to Sacramento Slough	76 -
A02927	Sutter Bypass at Reclamation District 1500 Pumping Plant	- 146
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2960	Tisdale Weir Spill to Sutter Bypass	65 -
2963	Reclamation District 1660 Drainage to Tisdale Bypass	75 -
2965	Reclamation District 70 Drainage to Sacramento River	64 -
A02967	Butte Slough at Outfall Gates	63 -
2971	Butte Slough at Mawson Bridge	- 145
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2976	Colusa Basin Drain at Highway 20	68 137
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3460	Red Bank Creek near Red Bluff	48 -
3545	Cottonwood Creek, North Fork, near Igo	46 -
3595	Cottonwood Creek, South Fork, near Cottonwood	47 -
A04242	Mud Creek near Chico	51 -
4250	Big Chico Creek at Chico	53 -
4265	Butte Creek near Durham	60 -
4280	Little Chico Creek near Chico	61 -
4910	Little Chico Creek Diversion near Chico	59 -
A05103	Feather River at Nicolaus	- 153
5120	Feather River below Shanghai Bend	91 152
5135	Feather River at Yuba City	- 151
5165	Feather River near Gridley	88 150
5191	Feather River at Oroville	86 149
A05735	North Honcut Creek near Bangor	89 -
5922	Reclamation District 1660 Drainage to Sutter Bypass	74 -
5929	Wadsworth Canal near Sutter	73 138
5975	Thermalito Afterbay Release to Feather River near Oroville	87 -
6150	Yuba River near Marysville	- 138
A06550	Bear River near Wheatland	- 138
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7175	American River at Fair Oaks	- 138
8125	Cache Creek at Yolo	- 138
9115	Putah Creek, South Fork, near Davis	101 -

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<u>Pit River</u>				
A13060	Lassen Creek near Willow Ranch	42	-	-
4100	Pine Creek near Alturas	43	-	-
5145	Burney Creek near Burney	45	-	-
8350	Ash Creek at Adin	44	-	-
<u>Shasta Lake</u>				
A21010	Sacramento River at Keswick	-	-	136
1051	Inflow to Shasta Lake	-	-	230
<u>Sacramento Valley Westside</u>				
A36171	Inflow to Whiskeytown Lake	-	-	231
<u>Feather River</u>				
A51141	Lake Oroville near Oroville	-	-	227
2250	Feather River, West Branch, near Paradise	82	-	-
4370	Indian Creek near Taylorsville	81	-	-
4455	Red Clover Creek above Abbey Bridge Dam site	79	-	-
4473	Antelope Lake near Boulder Creek Guard Station	-	-	226
A54750	Last Chance Creek at Dixie Refuge Dam site	80	-	-
5100	Feather River, Middle Fork, near Merrimac	83	-	-
5383	Lake Davis near Portola	-	-	225
5420	Feather River, Middle Fork, near Portola	78	-	-
5527	Frenchman Lake near Chilcoot	-	-	224
A56080	Feather River, South Fork, at Ponderosa Dam	84	-	-
6911	Palermo Canal at Oroville Dam	85	-	-
<u>Yuba-Bear Rivers</u>				
A61265	Squirrel Creek near Penn Valley	90	-	-
5105	Camp Far West Reservoir near Sheridan	-	-	228
<u>American River</u>				
A71120	Inflow to Folsom Lake	-	-	232
<u>Cache Creek</u>				
A81200	Cache Creek above Rumsey	99	-	-
1250	Bear Creek near Rumsey	98	-	-
1810	Middle Creek near Upper Lake	95	-	-
1820	Scotts Creek at Upper Lake	-	-	158
1845	Scotts Creek at Eickhoff Road near Lakeport	96	-	-
1940	Clover Creek Bypass near Upper Lake	97	-	-
<u>Putah Creek</u>				
A91250	Putah Creek near Winters	-	-	139
5010	Pope Creek near Pope Valley	100	-	-
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<u>San Joaquin Valley Floor</u>				
B01125	Cosumnes River at McConnell	115	-	139
1520	Dry Creek near Galt	113	-	-
1580	Deer Creek near Sloughhouse	114	-	-
2007	Mosher Slough near Stockton	109	-	-
2010	Bear Creek near Lodi	110	-	-
B02105	Mokelumne River at Woodbridge	111	-	139
2520	Calaveras River near Stockton	106	-	-
2560	Mormon Slough at Bellota	107	-	-
2580	Stockton Diverting Canal at Stockton	108	-	-
2805	French Camp Slough near French Camp	104	-	-
B02835	Duck Creek near Stockton	105	-	-
7020	San Joaquin River near Vernalis	103	-	159

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	<u>San Joaquin Valley Westside</u>				
B89100	Marsh Creek near Byron	126			-
	<u>Sacramento-San Joaquin Delta</u>				
B91110	Sacramento River at Collinsville	-			174
1160	Threemile Slough at Sacramento River	-			172
1210	Sacramento River at Rio Vista	-			170
1560	Yolo Bypass near Lisbon	-			168
1650	Sacramento River at Walnut Grove	-			166
B91750	Sacramento River at Snodgrass Slough	-			164
1850	Sacramento River near Freeport	-			162
4100	Georgiana Slough at Mokelumne River	-			214
4120	Little Potato Slough at Terminus	-			212
4150	Mokelumne River, South Fork, at New Hope Bridge	-			210
B94175	Mokelumne River near Thornton	-			208
5020	San Joaquin River at Antioch	-			220
5060	Threemile Slough at San Joaquin River	-			218
5100	San Joaquin River at San Andreas Landing	-			216
5180	Old River near Rock Slough	-			206
B95270	Old River near Byron	-			204
5278	Italian Slough near Mouth	-			200
5300	Grantline Canal at Tracy Road Bridge	-			202
5340	Old River at Clifton Court Ferry	-			198
5380	Old River near Tracy Road Bridge	-			194
B95400	Old River at Head	-			178
5420	Tom Paine Slough above Mouth	-			196
5460	Middle River at Bacon Island	-			192
5500	Middle River at Borden Highway	-			190
5540	Middle River at Mowry Bridge	-			188
B95580	San Joaquin River at Venice Island	-			186
5620	San Joaquin River at Rindge Pump	-			184
5660	Stockton Ship Channel at Burns Cutoff	-			182
5740	San Joaquin River at Brandt Bridge	-			180
5820	San Joaquin River at Mossdale Bridge	-			176
B95910	Contra Costa Canal near Oakley	118			-
5920	California Aqueduct at Delta Pumping Plant	119			-
5925	Delta-Mendota Canal near Tracy	117			-
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	<u>San Francisco Bay</u>				
E03300	Suisun Bay at Benicia	-			222
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	<u>Surprise Valley</u>				
G12200	Bidwell Creek near Fort Bidwell	121			-
5150	Cedar Creek near Cedarville	122			-
7150	Eagle Creek at Eagleville	123			-
	<u>Eagle Lake</u>				
G31140	Pine Creek at Eagle Lake near Susanville	124			-
2100	Eagle Lake near Susanville	-			160
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G61705	Long Valley Creek near Hallelujah Junction	125			-

TABLES B-1 AND B-2

UNIMPAIRED RUNOFF

Unimpaired runoff is defined as the flow that occurs naturally at a point in a stream if there are: (1) no upstream controls such as dams or reservoirs; (2) no diversions or unnatural accretions; and (3) no change in ground water storage resulting from development. The computed natural or unimpaired runoff values are considered to be the flows that would occur if no impairments were upstream from the measurement point.

TABLE B-1
ANNUAL UNIMPAIRED RUNOFF

In Percent of Average

	Sacramento and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River near Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill	San Joaquin River near Vernalis (a)
Average Annual Runoff (b)	23,809	7,948	17,082	4,287	2,274	2,573	705	5,455
1933-34	48	57	51	47	43	44	42	42
1934-35	101	94	97	100	99	100	100	118
1935-36	106	89	102	100	114	132	127	119
1936-37	88	75	78	74	82	90	99	120
1937-38	189	185	186	201	177	175	176	206
1938-39	48	55	48	43	40	41	48	53
1939-40	128	132	131	132	126	132	122	121
1940-41	152	180	159	151	138	122	119	145
1941-42	143	142	148	155	150	152	140	135
1942-43	126	107	124	131	138	151	143	135
1943-44	63	59	61	67	61	57	63	72
1944-45	82	84	88	87	93	98	110	121
1945-46	102	101	102	98	106	111	106	105
1946-47	60	64	61	59	60	55	56	63
1947-48	88	96	92	90	88	87	90	77
1948-49	69	76	70	61	65	72	73	70
1949-50	85	72	85	90	98	104	107	85
1950-51	135	114	134	133	156	180	165	133
1951-52	168	145	167	186	181	193	188	171
1952-53	107	122	118	122	112	103	97	80
1953-54	94	117	102	99	84	78	75	79
1954-55	64	71	64	58	57	61	62	64
1955-56	174	167	175	186	174	181	177	179
1956-57	84	90	87	85	86	83	85	79
1957-58	167	190	174	163	155	159	151	153
1958-59	65	85	71	67	54	48	53	53
1959-60	70	81	76	75	75	65	59	54
1960-61	61	90	70	62	50	41	40	38
1961-62	91	94	88	85	85	80	91	103
1962-63	128	125	135	146	144	138	124	114
1963-64	62	66	64	60	65	63	61	58
1964-65	150	130	150	162	171	174	170	148
1965-66	74	92	76	67	63	54	65	73
1966-67	150	132	141	147	145	154	162	183
1967-68	72	87	80	81	69	66	58	54
1968-69	173	148	157	165	161	166	189	225
1969-70	130	147	140	142	128	123	126	103
1970-71	121	136	133	144	126	116	111	89
1971-72	74	83	79	75	75	73	73	65
1972-73	117	121	118	113	117	117	111	118
1973-74 (c)	172	200	189	190	172	165	143	130
1974-75 (c)	110	116	111	113	100	100	110	113

- (a) Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from valley floor.
- (b) Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1920 through September 1970.
- (c) Preliminary data subject to revision.

TABLE B-2
MONTHLY UNIMPAIRED RUNOFF
In Percent of Average

		Sacramento and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River near Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill	San Joaquin River near Vernalis (a)
October 1974	Percent	105	118	108	106	50	89	54	84
	Average	512	292	460	107	35	25	5	46
November 1974	Percent	67	85	73	72	43	40	34	48
	Average	918	425	753	170	81	76	17	118
December 1974	Percent	42	55	44	41	21	24	25	43
	Average	1,983	837	1,618	380	202	199	39	253
January 1975	Percent	40	43	41	39	37	40	43	44
	Average	2,542	1,106	2,082	464	247	265	45	300
February 1975	Percent	102	108	102	99	102	81	71	100
	Average	2,907	1,275	2,416	541	287	313	56	400
March 1975	Percent	159	211	172	150	130	120	115	127
	Average	3,017	1,093	2,313	575	296	348	72	501
April 1975	Percent	84	123	94	85	69	66	56	61
	Average	3,664	1,006	2,568	720	383	459	127	864
May 1975	Percent	144	144	153	176	141	144	132	131
	Average	3,940	684	2,286	658	425	519	195	1,409
June 1975	Percent	175	143	176	200	202	178	193	171
	Average	2,467	435	1,262	331	219	278	121	1,069
July 1975	Percent	129	127	132	132	133	156	190	121
	Average	971	297	570	153	54	65	22	370
August 1975	Percent	122	129	126	124	74	171	200	101
	Average	489	251	394	102	24	16	4	89
September 1975	Percent	134	134	133	142	70	150	168	148
	Average	400	247	361	85	20	10	2	36
1974-75 Water Year	Percent	110	116	111	113	100	100	110	113
	Average	23,809	7,948	17,082	4,287	2,274	2,573	705	5,455

The percent values are preliminary, subject to revision.

Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1920 through September 1970.

(a) Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only, and do not include runoff from minor tributaries and from the valley floor.

TABLE B-3

SUMMARY OF MONTHLY WATER SUPPLY AND UTILIZATION
SACRAMENTO-SAN JOAQUIN DELTA

This table presents in thousands of acre-feet the correlation of water supply and use for the Sacramento-San Joaquin Delta Service Area.

The Delta Service Area is a natural hydrographic subdivision which is comprised of two subareas. One is the Delta Lowlands which are those lands within a boundary located approximately at the 5-foot contour; the Delta Uplands are those lands outside the Delta Lowlands boundary which are served by water from the lowland channels.

The water supply available to the Delta Service Area is the sum of the measured inflow and the precipitation. The measured inflow is determined from 14 gaging stations listed in the table. The precipitation is determined by the Thiessen Balance Method for stations located at Davis, Galt, Rio Vista, Lodi, Brentwood, Stockton, and Tracy S. P. "Water Utilization" in the same table includes agricultural use, evaporation, exports through the California Aqueduct, Delta-Mendota and Contra Costa Canals, and diversion for the City of Vallejo. Agricultural use in the uplands is the average measured diversions for the 10-year period October 1960 through September 1970. Agricultural use in the lowlands is computed by unit values of consumptive use of the various crops, multiplied by the acreages. Unit values of consumptive use were derived from experimental work by the University of California and California Extension Service as reported in Bulletin No. 27, "Variations and Control of Salinity in Sacramento-San Joaquin Delta and Upper San Francisco Bays". Crop acreage values used in this table were determined from a survey made in 1960 and 1961.

TABLE B-3
SUMMARY OF MONTHLY WATER SUPPLY AND UTILIZATION
SACRAMENTO-SAN JOAQUIN DELTA
(In Thousands of Acre-Feet)

Item	Record on Page No.	1974			1975									Water Year Total
		OCT	NOV	DEC.	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.	
WATER SUPPLY														
<u>Measured Inflow</u>														
Sacramento River at Sacramento	94	1,237	1,309	1,577	1,195	2,639	3,132	1,974	1,861	1,411	1,124	1,199	1,213	19,871
Sacramento Weir Spill to Yolo Bypass	92	0	0	0	0	1	2	0	0	0	0	0	0	3
Yolo Bypass near Woodland	102	1	1	7	1	211	503	77	15	1	0	0	6	823
South Fort Putah Creek near Davis	101	1	1	1	1	9	73	25	2	1	1	1	0	116
Morrison Creek near Sacramento	116	1	1	1	0	4	2	1	0	1	0	1	0	12
Cosumnes River at McConnell	115	1	3	4	10	65	104	70	77	23	3	1	0	361
Dry Creek near Galt	113	0	0	1	2	35	43	15	3	0	0	0	0	99
Mokelumne River at Woodbridge	111	39	26	11	6	4	28	61	55	46	26	27	34	363
Bear Creek near Lodi	110	0	0	0	0	7	6	1	0	0	0	0	0	14
Calaveras River near Stockton	106	0	1	0	0	0	0	0	1	1	1	2	1	7
Stockton Diverting Canal at Stockton	108	1	23	29	1	12	114	2	0	1	0	1	0	184
French Camp Slough near French Camp	104	5	0	1	0	12	28	6	5	5	4	3	7	76
San Joaquin River near Vernalis	103	215	231	256	232	345	349	236	244	340	106	103	158	2,815
Marsh Creek near Byron	120	0	0	0	0	1	2	1	0	0	0	0	0	4
<u>Precipitation</u>		52	28	132	51	242	225	64	0	2	8	18	0	822
TOTAL WATER SUPPLY		1,554	1,624	2,020	1,499	3,587	4,611	2,533	2,263	1,832	1,273	1,336	1,419	25,570
WATER UTILIZATION														
<u>Consumptive Use in Delta Lowlands</u>		97	38	32	36	53	79	118	137	182	214	203	146	1,355
<u>Exports</u>														
Delta-Mendota Canal	107	212	0	1	165	232	231	431	243	238	283	276	216	2,348
Contra Costa Canal	118	0	4	4	4	5	4	6	7	10	11	10	8	79
City of Vallejo	134	2	1	1	1	1	1	1	1	1	2	2	1	15
California Aqueduct	119	62	111	171	167	135	137	118	94	12	16	254	233	1,510
<u>Delta Uplands Diversion*</u>		25	4	3	1	1	12	34	60	69	80	74	47	408
*Measurement of Delta Uplands diversions was discontinued in 1970. Quantities shown are the 10-year average from 1961 through 1970.														
TOTAL WATER UTILIZATION		402	178	212	374	427	464	528	542	512	606	819	651	5,715

TABLE B-4
STREAMFLOW MEASUREMENTS
AT MISCELLANEOUS SITES

This table shows the discharge rate on various streams at locations other than those where continuous recorders are maintained.

TABLE B-4
STREAMFLOW MEASUREMENTS AT MISCELLANEOUS SITES

	Location		Measurements	
	Latitude	Longitude	Date	Discharge (cfs)
American River at Sacramento	38°34'08"	121°25'22"	10-8-74	4,007
American River at Sacramento	38°34'08"	121°25'22"	6-12-75	4,939
American River at Sacramento	38°34'08"	121°25'22"	7-24-75	2,802
American River at Sacramento	38°34'08"	121°25'22"	8-27-76	2,138

TABLE B-5

DAILY MEAN DISCHARGE

The streamflow table for each stream or stream system is arranged in downstream order. Stations on a tributary entering between two main stem stations are listed between those stations, and in downstream order on that tributary. A stream gaging station is named after the stream and the nearest post office (Feather River at Yuba City) or well-known landmark (San Joaquin River at Brandt Bridge).

The discharge estimated for periods of no record or invalid record are shown with the letter "E". Also qualified by the letter "E" are discharges obtained from extended ratings which exceed 140 per cent of the highest measured flow-rate on which the rating curve was based.

The discharge figures in this table have been rounded off as follows:

Daily Flows - Second-Feet

0.0	- 9.9	nearest	Tenth
10	- 999	"	Unit
1,000	- 9,999	"	Ten
10,000	- 99,999	"	Hundred
100,000	- 999,999	"	Thousand

Monthly Means - Second-Feet

0.0	- 99.9	nearest	Tenth
100	- 9,999	"	Unit
10,000	- 99,999	"	Ten
100,000	- 999,999	"	Hundred

Yearly Totals - Acre-Feet

0.0	- 9,999	nearest	Unit
10,000	- 99,999	"	Ten
100,000	- 999,999	"	Hundred
1,000,000	- 9,999,999	"	Thousand

The streamflow data received from cooperating agencies do not necessarily adhere to the above criteria.

Daily flow data computed by machines is rounded as listed above. However, monthly means, monthly acre-feet, and yearly totals are not rounded in this case.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A13060	LASSEN CREEK NEAR WILLOW RANCH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.3	2.5	3.3	2.4	2.6	24	11	39	72	11	3.6	2.1	1
2	1.3	2.0	2.0	2.4	2.6	21	9.5	49	68	11	3.3	2.1	2
3	1.3	2.1	2.1	2.4	2.6	17	9.5	66	65	11	3.1	2.0	3
4	1.4	1.9	2.3	2.4	2.6	15	9.0	54	61	11	2.9	1.9	4
5	1.4	2.1	1.8	2.4	2.6	13	8.8	44	56	11	2.9	1.8	5
6	1.5	2.1	2.2	2.4	2.6	14	8.7	41	50	9.4	2.8	1.8	6
7	1.5	2.2	1.9	2.4	2.6	13	8.0	48	46	8.7	2.8	1.7	7
8	1.5	2.5	2.0	2.4	2.6	12	8.8	64	41	8.2	2.9	1.7	8
9	1.5	2.2	2.9	2.4	2.6	14	15	92	37	7.3	2.7	1.6	9
10	1.4	3.0	3.2	2.6	2.6	11	14	114	33	6.9	2.6	1.6	10
11	1.4	2.2	2.2	2.4	2.6	8.6	13	141	30	7.0	2.4	2.2	11
12	1.4	2.1	2.9	2.4	2.6	7.0	13	154	27	7.1	2.3	2.8	12
13	1.4	2.0	3.1	2.4	2.6	6.8	15	168	25	7.2	2.2	1.9	13
14	1.5	2.0	1.8	2.4	2.6	6.3	22	185	23	6.4	2.1	1.8	14
15	1.6	2.0	2.5	2.4	2.6	5.8	18	185	21	6.8	2.2	1.7	15
16	1.5	1.8	2.7	2.4	2.6	5.3	14	172	20	9.1	2.2	1.7	16
17	1.4	2.0	2.2	2.4	2.6	4.7	13	165	19	7.4	2.7	1.6	17
18	1.5	2.3	2.5	2.4	2.6	14	13	160	21	6.7	7.8	1.6	18
19	1.5	2.0	2.4	2.4	2.6	25	27	153	31	6.1	4.6	1.6	19
20	1.5	1.9	2.4	2.4	2.6	14	23	132	25	5.7	3.6	1.6	20
21	1.5	1.9	2.4	2.4	2.6	8.5	26	108	19	5.3	2.9	1.5	21
22	1.7	1.9	2.4	2.4	3.1	8.5	29	98	17	4.9	2.9	1.5	22
23	1.6	2.1	2.6	2.6	3.3	7.6	31	98	17	4.7	2.6	1.5	23
24	1.7	2.2	2.4	2.6	3.5	9.3	38	98	17	4.4	2.6	1.7	24
25	1.8	2.1	2.4	2.6	3.7	26	38	92	18	4.1	2.4	1.5	25
26	1.7	1.8	2.4	2.6	4.2	19	30	86	16	3.9	2.2	1.4	26
27	1.8	2.2	2.4	2.6	15	12	26	82	15	3.8	2.2	1.4	27
28	3.1	1.7	2.4	2.6	30	11	25	78	14	3.6	2.6	1.4	28
29	2.8	2.5	2.4	2.6	11	28	76	13	3.7	2.3	1.6	1.6	29
30	2.3	4.4	2.4	2.6	15	33	74	12	4.0	2.2	1.4	30	30
31	2.6	2.4	2.4	2.6	14		72		3.8	2.1		31	31
MEAN	1.7	2.2	2.4	2.5	4.2	12.7	19.2	102	31.0	6.8	2.9	1.7	MEAN
MAX	3.1	4.4	3.3	2.6	30.0	26.0	38.0	185	72.0	7.8	2.9	2.8	MAX
MIN	1.3	1.7	1.8	2.4	2.6	4.7	8.0	39.0	12.0	3.6	2.1	1.4	MIN
AC FT.	102	130	148	151	233	780	1145	6327	1843	419	176	103	AC FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF FLOW MADE THIS DAY
 = - E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM	MINIMUM	TOTAL
DISCHARGE 16.0	DISCHARGE 216 GAGE HT 4.94 MO 05 DAY 14 TIME 1915	DISCHARGE 0.9 GAGE HT 1.65 MO 11 DAY 28 TIME 2000	TOTAL ACRE FEET 11557

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
41 53 02	120 20 27	SE27 47N 14E	392	7164	1/23/70	JUNE 61-DATE	JUNE 61-DATE	1961		0.00	LOCAL

Station located at U.S. Highway 395 culvert, approximately 2 mi. SE of Willow Ranch. Tributary to Goose Lake. Stage-discharge relationship affected by ice at times. Small amount of diversion above station. Drainage area is 25.7 mi.

TABLE B-5 (Cont.)

AILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	414100	PINE CREEK NEAR ALTURAS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	14	15	13	5.1	11	10	12	21	82	41	25	16	1
2	14	14	14	5.1	10	11	12	22	94	41	24	16	2
3	15	14	13	5.1	10	12	12	23	101	40	23	16	3
4	14	14	14	5.7	9.9	13	12	24	102	40	23	16	4
5	14	14	13	6.3	9.7	13	12	25	107	40	22	16	5
6	14	14	13	7.0	9.4	13	12	25	109	39	22	16	6
7	14	14	12	7.6	9.1	13	12	27	107	39	21	16	7
8	14	14	10	8.3	8.9	13	12	28	102	39	21	17	8
9	14	14	13	9.1	8.6	13	12	29	92	39	21	17	9
10	14	14	13	9.9	8.3	13	13	30	82	40	21	17	10
11	14	14	14	11	8.1	13	13	33	74	39	20	17	11
12	14	13	14	11	7.8	13	13	34	69	38	18	17	12
13	14	13	13	12	7.6	13	13	39	66	37	16	17	13
14	14	13	14	13	7.4	13	13	46	66	36	18	17	14
15	14	13	15	14	7.2	13	13	50	67	37	18	16	15
16	13	12	14	14	7.0	13	13	49	67	38	18	17	16
17	14	12	13	14	6.7	14	14	51	66	35	19	16	17
18	13	13	12	14	6.5	14	14	52	66	34	23	16	18
19	13	13	13	14	6.1	14	14	53	75	33	22	16	19
20	13	12	12	14	5.9	14	14	48	64	32	19	16	20
21	13	12	11	14	5.7	14	15	47	58	32	19	15	21
22	13	12	11	14	5.5	14	15	51	57	31	19	15	22
23	13	13	9.9	14	5.9	14	15	55	56	30	18	15	23
24	13	13	9.4	14	6.7	15	16	56	55	29	18	15	24
25	13	13	8.9	13	7.4	15	17	54	54	29	18	15	25
26	13	13	8.1	13	8.1	15	18	54	52	28	17	15	26
27	13	13	7.4	12	8.9	14	18	56	49	27	17	15	27
28	16	12	6.7	12	9.7	13	19	58	46	26	17	15	28
29	15	12	6.3	12		13	20	61	44	30	17	14	29
30	15	13	5.7	11		12	20	65	41	28	16	14	30
31	16		5.1	11		12		72		26	16		31
MEAN	13.9	13.2	11.3	11.0	8.0	13.2	14.3	43.2	72.3	34.6	19.5	15.9	MEAN
MAX.	16.0	15.0	15.0	14.0	11.0	15.0	20.0	72.0	109	41.0	25.0	17.0	MAX.
MIN.	13.0	12.0	5.1	5.1	5.5	10.0	12.0	21.0	41.0	26.0	16.0	14.0	MIN.
AC FT	853	783	697	675	443	813	849	2658	4304	2128	1202	944	AC FT

WATER YEAR SUMMARY

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	DATE	MO	DAY	TIME	DISCHARGE	DATE	MO	DAY	TIME	ACRE FEET	
22.6		125	2.13	06	05	2200	5.1	0.56	12	31	0000	1634.9	

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- - E AND -

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
41 25 59	120 26 32	SW35 42N 13E	435	3.37	6/2/71	NOV 57-DATE	NOV 47-DATE	1957		0.00 LOCAL
Station located approximately 0.3 mi. N of Pine Creek Boulevard, 6.1 mi. SE of Alturas. Tributary to Pit River. Stage-discharge relationship affected by ice at times. Station discontinued in October 1963, reinstalled April 16, 1964 at a site approximately 2,000 feet downstream. Flow affected by Pine Creek Reservoir. Drainage area is 23.9 sq. mi.										

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A18350	ASH CREEK AT ADIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	24	40	36	32	41	346	217	350	94	27	31	27	1
2	24	36	36	29	41	394	206	378	91	26	30	27	2
3	25	34	38	32	39	433	202	433	86	26	29	28	3
4	25	34	44	40	39	388	197	401	73	26	29	28	4
5	26	34	46	39	38	325	224	349	68	28	29	19	5
6	26	34	38	38	38	496	204	295	63	26	28	14	6
7	26	36	38	40	36	420	177	280	56	25	28	14	7
8	27	37	37	49	44	435	194	288	54	24	29	17	8
9	29	38	36	42	101	477	204	315	49	24	29	18	9
10	28	35	36	39	121	329	333	338	46	24	29	22	10
11	27	35	37	38	124	225	328	351	41	24	28	24	11
12	26	35	40	37	320	179	318	353	40	25	26	22	12
13	30	35	40	36	673	161	338	351	37	26	27	20	13
14	28	35	42	36	332	131	551	369	36	27	27	22	14
15	27	34	44	36	137	138	435	374	34	30	28	21	15
16	32	34	46	37	94	150	314	332	32	34	29	23	16
17	34	34	42	38	69	136	249	322	31	32	29	21	17
18	32	38	39	39	65	217	227	295	33	31	44	19	18
19	30	36	38	40	66	523	395	280	44	36	35	19	19
20	29	34	41	42	66	335	376	241	55	28	31	20	20
21	30	34	44	42	61	230	399	206	37	25	30	21	21
22	30	35	39	41	58	187	401	201	31	23	31	20	22
23	31	34	34	47	67	192	412	191	27	28	29	22	23
24	34	34	36	64	87	244	557	175	36	36	29	24	24
25	35	41	36	70	137	573	608	162	46	31	29	23	25
26	33	38	36	65	161	312	475	140	40	29	26	24	26
27	33	37	37	43	296	245	383	132	34	28	28	24	27
28	41	36	32	36	374	183	328	125	31	28	27	24	28
29	38	35	31	37	186	320	116	29	29	29	24	27	29
30	35	36	36	33	268	333	103	29	30	30	26	28	30
31	43	30	36	36	292		96		31	27			31
MEAN	30.3	35.6	37.8	41.1	133	295	330	269	46.8	28.0	29.1	22.1	MEAN
MAX	43.0	41.0	46.0	70.0	673	573	608	434	94.0	36.0	44.0	28.0	MAX
MIN	24.0	34.0	36.0	29.0	36.0	131	177	96.0	27.0	23.0	24.0	14.0	MIN
AC FT	1860	2118	2327	2525	7388	18169	19646	16540	2783	1720	1787	1313	AC FT

WATER YEAR SUMMARY

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF FLOW MADE THIS DAY
 - E AND *

MEAN	DISCHARGE	MAXIMUM	GAGE HT	MO	DAY	TIME	MINIMUM	GAGE HT	MO	DAY	TIME	TOTAL	ACRE FEET
DISCHARGE	108.0	DISCHARGE	889	9	21	1830	DISCHARGE	12.0	4.61	12	29 0700	78176	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
41 11 54	120 56 30	SW12 39N 9E	2950	14.69	1/24/70	MAR 37-SEP 57 SEP 57-DATE	MAR 37-SEP 57 SEP 57-DATE	1957	0.00	LOCAL	

Station located 300 feet above State Highway 299 bridge. Tributary to Pit River. Stage-discharge relationship affected by ice at times. Flow affected by upstream diversion. Drainage area is 258 sq. mi.

1 - Irrigation season only

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A15145	BURNEY CREEK NEAR BURNEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16	39	25	29	29	83	139	193	165	40	22	19	1
2	17	37	31	29	30	93	129	203	162	38	21	19	2
3	17	37	74	29	29	92	148	284	156	36	21	18	3
4	18	32	51	28	30	87	124	273	148	35	21	18	4
5	18	33	35	28	30	83	119	214	141	35	20	18	5
6	18	32	32	27	30	84	114	190	133	33	20	18	6
7	18	33	30	33	41	100	109	190	128	32	20	17	7
8	19	33	29	78	66	134	108	203	120	32	18	17	8
9	20	27	28	40	142	140	107	221	105	31	18	17	9
10	21	27	27	33	116	120	106	237	99	31	18	17	10
11	22	26	27	31	97	105	102	254	94	31	18	17	11
12	23	26	30	30	282	94	110	265	89	30	17	17	12
13	24	25	29	29	577	90	120	276	85	30	17	17	13
14	25	25	27	28	209	82	127	293	81	29	17	17	14
15	25	25	27	28	134	80	113	309	77	29	17	17	15
16	27	25	27	27	110	78	106	290	74	30	17	16	16
17	29	26	28	27	94	79	102	278	70	29	17	16	17
18	29	29	27	27	85	197	101	270	66	28	21	16	18
19	28	27	26	26	108	515	110	268	63	27	19	16	19
20	27	27	26	26	94	312	115	246	62	25	18	16	20
21	29	35	27	26	78	216	121	215	60	25	18	16	21
22	30	29	26	26	73	190	128	202	57	26	18	15	22
23	31	29	25	26	70	166	133	194	54	25	18	15	23
24	33	31	24	26	67	185	279	188	52	23	18	15	24
25	34	32	26	27	65	378	321	184	51	23	18	15	25
26	35	30	26	33	64	291	236	175	50	23	18	15	26
27	37	28	50	30	66	226	198	169	49	22	18	15	27
28	45	25	33	30	74	183	186	165	47	22	20	15	28
29	35	25	33	28		163	181	162	45	22	19	15	29
30	35	25	30	30		161	186	167	43	23	19	15	30
31	46		31	26		159		163		22	18		31
MEAN	26.4	29.3	31.2	30.4	103	160	142	223	87.5	28.6	18.7	16.5	MEAN
MAX	46.0	39.0	74.0	78.0	577	515	321	319	165	46.0	22.0	19.0	MAX
MIN	16.0	25.0	24.0	26.0	29.0	78.0	101	160	43.0	22.0	17.0	15.0	MIN
AC FT	1950	1745	1918	1866	5732	9850	8485	13751	5209	1759	1148	980	AC FT

WATER YEAR SUMMARY

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- E AND *

MEAN DISCHARGE
74.7

DISCHARGE	MAXIMUM GAGE HT	MO	DAY	TIME
1070	6.49	02	13	0630

DISCHARGE	MINIMUM GAGE HT	MO	DAY	TIME
15.0	3.01	09	22	0000

TOTAL ACRE FEET
54095

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
42 52 35	121 40 13	SE19 35N 3E	1070	6.49	2/13/75	NOV 74-DATE	NOV 74-DATE	1974		0.00	LOCAL
Station located at Park Ave Bridge. Tributary to Pit River. Stage-discharge relationship affected by Ice at times. Prior to November 1974 Station A15150 was located 1 mile upstream, at different Datum. Flow affected by upstream diversions. Drainage Area 88.7 sq. mi.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A03545	COTTONWOOD CREEK NORTH FORK NEAR 100

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10	30	25	54	140	157	576	333	95	30	19	7.7	1
2	9.9	30	74	52	145	270	549	329	93	30	18	7.4	2
3	10	30	462	46	150	215	526	330	69	30	17	6.9	3
4	11	30	217	50	150	186	503	316	85	29	16	4.8	4
5	11	30	96	65	180	178	502	300	83	30	16	4.7	5
6	11	30	72	191	293	221	438	285	84	30	15	4.3	6
7	11	34	62	171	608	1,090	435	278	82	29	15	4.0	7
8	12	35	57	250	604	1,700	433	274	77	29	14	4.0	8
9	12	31	57	153	790	1,050	371	270	75	26	12	4.4	9
10	12	30	56	125	454	1,310	333	270	71	31	10	5.0	10
11	12	29	56	108	305	863	319	258	69	32	8.8	5.4	11
12	12	24	60	98	2,370	835	315	248	68	31	7.4	5.1	12
13	11	23	59	92	1,800	558	322	246	64	31	7.1	4.9	13
14	11	23	63	90	712	446	349	247	64	31	6.8	5.2	14
15	11	24	65	88	504	471	325	244	64	39	6.5	5.0	15
16	11	25	66	83	408	452	366	237	62	38	6.6	7.0	16
17	12	25	65	80	338	1,396	289	218	59	34	7.1	6.6	17
18	12	23	64	80	293	2,300	278	196	50	32	12	8.7	18
19	12	28	57	77	325	1,460	274	167	36	30	11	7.0	19
20	12	27	43	76	262	922	266	161	36	30	9.9	11	20
21	11	34	44	73	211	1,200	266	151	35	29	8.4	13	21
22	11	40	44	70	177	1,120	269	144	33	29	8.3	13	22
23	11	30	43	66	156	945	313	139	32	28	7.9	15	23
24	12	29	42	63	147	1,300	510	129	34	27	7.9	22	24
25	13	32	41	63	144	1,640	476	122	35	25	7.5	28	25
26	13	35	41	61	137	1,020	418	117	34	23	7.1	28	26
27	20	33	178	59	132	828	384	110	32	22	7.9	28	27
28	101	31	121	57	131	719	361	104	31	22	9.4	11	28
29	31	30	66	57		634	345	100	30	22	8.3	8.4	29
30	23	25	57	56		623	337	100	31	21	8.1	7.4	30
31	33		54	63		621		97		19	7.8		31
MEAN	16.3	29.6	81.3	87.7	430	881	379	210	57.8	28.7	10.4	9.7	MEAN
MAX.	101	40.0	482	250	2,370	2,300	576	333	95.0	39.0	19.0	28.0	MAX.
MIN	9.9	23.0	25.0	48.0	131	157	266	97.0	30.0	19.0	6.5	4.0	MIN.
AC. FT.	1001	1763	5600	5393	23933	54204	22588	12932	3437	1763	642	577	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY

- E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	GAGE HT	MO	DAY	TIME	MINIMUM DISCHARGE	GAGE HT	MO	DAY	TIME	TOTAL ACRE FEET
184.0	3810	34.68	02	12	1630	3.6	29.73	09	07	2330	133235

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CF5	GAGE HT	DATE			FROM	TO		
40 26 32	122 32 57	NW21 30N 6W	11000	39.45	12/22/64	NOV 56-DATE	NOV 56-DATE	1956		30.60	LOCAL
Station located at county road bridge, 4.4 mi. SE of Ono. Tributary to Sacramento River via Cottonwood Creek. Flow affected by upstream diversion and release from Rainbow Lake. Drainage area is 88.7 sq. mi.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO	STATION NAME
1975	A03595	COTTONWOOD CREEK SOUTH FORK NEAR COTTONWOOD

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.6	22	15	42	102	621	756	371	434	76	18	7.4	1
2	1.7	21	21	41	123	756	657	413	421	78	16	6.9	2
3	1.7	18	1115	38	102	635	590	454	351	74	15	6.4	3
4	1.9	16	166	40	128	487	539	439	295	73	14	6.2	4
5	1.9	16	61	65	107	442	499	401	288	72	12	5.5	5
6	2.0	17	63	251	123	441	452	334	293	70	12	4.8	6
7	1.9	20	48	320	329	3,270	423	322	271	68	11	4.3	7
8	2.3	21	37	390	592	2,290	407	384	253	67	10	3.8	8
9	3.1	24	29	276	1,670	1,450	331	453	223	65	9.9	3.4	9
10	3.1	23	26	168	871	1,220	299	494	203	63	9.7	3.2	10
11	3.1	22	24	131	438	862	291	468	190	60	9.0	3.8	11
12	3.0	21	25	115	1,460	650	290	428	177	57	8.5	4.1	12
13	3.0	19	35	109	3,780	530	316	452	167	54	8.3	3.9	13
14	2.8	18	46	102	1,820	438	402	582	162	52	8.2	3.8	14
15	2.5	19	38	99	1,030	397	401	615	153	58	8.7	3.8	15
16	2.1	20	40	95	717	452	341	531	141	70	8.8	3.7	16
17	2.0	21	38	92	502	536	284	466	132	65	8.1	3.5	17
18	2.3	21	34	87	445	1,540	261	483	124	57	11	3.5	18
19	2.2	22	31	83	505	2,000	257	533	119	52	14	3.3	19
20	2.2	24	30	79	1,180	1,300	260	465	115	47	15	3.3	20
21	1.9	25	30	75	695	2,050	274	390	109	43	13	3.2	21
22	1.7	26	29	71	471	1,290	307	323	104	40	11	2.8	22
23	1.8	27	31	69	437	966	326	312	100	36	10	2.6	23
24	2.1	27	30	66	426	1,220	450	348	95	33	9.9	2.6	24
25	2.7	26	31	62	435	2,780	732	371	94	29	9.2	2.6	25
26	2.8	25	34	59	446	1,820	518	327	90	26	8.2	2.3	26
27	4.0	24	42	56	446	1,310	431	338	84	24	7.9	2.1	27
28	11	21	107	57	557	954	410	338	80	22	9.3	2.0	28
29	25	19	65	53		786	381	340	78	20	10	2.1	29
30	23	17	51	51		769	351	372	76	20	9.5	2.2	30
31	22		48	55		846		415		19	8.3		31
MEAN	4.7	21.4	45.9	106	711	1,132	407	418	180	51.2	10.8	3.8	MEAN
MAX.	25.0	27.0	168	390	3,780	3,270	756	615	434	76.0	18.0	7.4	MAX.
MIN.	1.6	16.0	15.0	38.0	102	397	257	312	76.0	19.0	7.9	2.0	MIN.
AC. FT.	266	1273	2020	6540	39505	69626	24230	25718	10754	3148	661	225	AC FT.

WATER YEAR SUMMARY

E - ESTIMATED NR - NO RECORD • - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY - - E AND	MEAN DISCHARGE 255.2	MAXIMUM DISCHARGE 7950 GAGE HT 9.16 MO 03 DAY 07 TIME 1245				MINIMUM DISCHARGE 1.4 GAGE HT 0.93 MO 10 DAY 24 TIME 0545				TOTAL ACRE FEET 184786

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R M.D.B. & M.	OF RECORD		DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT			DATE	FROM			TO
40 18 58	122 26 52	SE32 29N 5W	18,700	13.30	1/16/73	APR58-DATE	APR 58-DATE	1958		0.00	LOCAL
Station located at Bowman Road bridge, 11 mi. SE of Cottonwood. Tributary to Sacramento River via Cottonwood Creek. Flow affected by upstream diversion. Drainage area is 217 sq. mi.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

DAY	WATER YEAR												STATION NAME	
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY	
1	0.0	0.0	0.0	10	155	22	118	20	2.2	0.0	0.0	0.0	1	
2	0.0	0.0	0.0*	7.7*	114	26	102	20	2.5	0.0	0.0	0.0	2	
3	0.0	0.0	290	5.3	71 *	23	92	20	2.4*	0.0	0.0	0.0	3	
4	0.0	0.0	295	4.7	148	21	84	20	1.8	0.0	0.0	0.0	4	
5	0.0	0.0	25	4.3	76	21	86	19	1.6	0.0	0.0	0.0	5	
6	0.0	0.0	12	8.5	160	24 *	80	17 *	1.4	0.0	0.0	0.0	6	
7	0.0	0.0	7.6	11	432	2,120	69	1. *	1.3	0.0	0.0*	0.0	7	
8	0.0	0.0	5.4	11	927	1,480	64	13	1.0	0.0	0.0	0.0	8	
9	0.0	0.0	3.7	12	1,070	559	54 *	12	0.8	0.0	0.0	0.0	9	
10	0.0	0.0	2.7	9.9	331 *	629 *	47	11	0.6	0.0*	0.0	0.0*	10	
11	0.0	0.0	2.1	7.7	146	346	41	11	0.6	0.0	0.0	0.0	11	
12	0.0	0.0	1.9	5.6	781	194	38	10	0.5	0.0	0.0	0.0	12	
13	0.0	0.0	1.6	4.3	894	138	37	9.4	0.4	0.0	0.0	0.0	13	
14	0.0	0.0	1.3	3.9	201	104	43	8.9	0.4	0.0	0.0	0.0	14	
15	0.0	0.0	1.2	3.4	111	100	41	8.8	0.3	0.0	0.0	0.0	15	
16	0.0	0.0	1.1	2.8	84	153	34	8.2	0.3	0.0	0.0	0.0	16	
17	0.0	0.0	0.9	2.1	63	636	31	7.2	0.3	0.0	0.0	0.0	17	
18	0.0	0.0	0.8	1.9	46	728	29	6.3	0.3	0.0	0.0	0.0	18	
19	0.0	0.0	0.7	1.6	43	362	28	4.9	0.2	0.0	0.0	0.0	19	
20	0.0	0.0	0.7	1.5	43	233	26	4.5	0.2	0.0	0.0	0.0	20	
21	0.0	0.0	0.7	1.3	34	1,610	25	5.4	0.2	0.0	0.0	0.0	21	
22	0.0	0.0	0.7	1.1	28	1,100	23	5.4	0.1	0.0	0.0	0.0	22	
23	0.0	0.0	0.6	1.0	25	734	26	4.2	0.1	0.0	0.0	0.0	23	
24	0.0	0.0	0.5	0.9	26	1,116	31	4.4	0.1	0.0	0.0	0.0	24	
25	0.0	0.0	0.5	0.9	25	977	33	3.8	0.1	0.0	0.0	0.0	25	
26	0.0	0.0	0.6	0.8	23	462	29	3.7	0.0	0.0	0.0	0.0	26	
27	0.0	0.0	69	0.6	22	314	24	3.5	0.0	0.0	0.0	0.0	27	
28	0.0	0.0	105	0.6	22	225	23	3.0	0.0	0.0	0.0	0.0	28	
29	0.0	0.0	30	0.5	183	22	2.8	2.8	0.0	41	0.0	0.0	29	
30	0.0	0.0	17	0.5	160	21	2.5	0.0	2.3	0.0	0.0	0.0	30	
31	0.0	0.0	12	3.1	140	140	2.2	2.2	0.3	0.0	0.0	0.0	31	
MEAN	0.0	0.0	28.8	4.2	217	481	46.7	9.3	0.7	1.4	0.0	0.0	MEAN	
MAX	0.0	0.0	295	12.0	1,070	2,120	118	20.0	2.5	41.0	0.0	0.0	MAX	
MIN.	0.0	0.0	0.0	0.5	22.0	21.0	21.0	2.2	0.0	0.0	0.0	0.0	MIN	
AC FT			1768	259	12101	29621	2779	569	99	86			AC FT	

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR

OBSERVATION OF FLOW MADE THIS DAY

- E AND *

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET
	DISCHARGE	GAGE HT	MO	DAY	DISCHARGE	GAGE HT	MO	DAY	
65.2	6310	9.41	03	07	0.0	3.50	10	01	47223

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC. T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
40 05 25	122 24 45	SE22 26N SW	9729	10.06	1/5/65	FEB 48-JUL 49 MAY 50-MAY 56 NOV 56-DATE	FEB 48-JUL 49 MAY 50-MAY 56 NOV 56-DATE	1956		0.00	LOCAL

Station located at Briggs Road bridge, 11 mi. SW of Red Bluff. Flow affected by upstream diversion. Drainage area is 93.5 sq. mi.

0 - Irrigation season only.

Station located at Briggs Road bridge, 11 mi. SW of Red Bluff. Flow affected by upstream diversion. Drainage area is 93.5 sq. mi.

N - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8,980	11,800	11,500	8,390	14,900	13,800	16,400	19,800	17,900	13,300	11,900	12,000	1
2	9,020	11,800	11,700	8,260	26,000	14,400	15,500	19,600	17,700	13,200	11,800	12,700	2
3	9,110	9,570	14,300	8,210	15,500	14,600	14,900	20,400	17,500	13,000	11,400	12,200	3
4	9,100	8,770	27,200	8,130	15,200	14,000	15,400	21,500	17,500	13,100	11,900	11,200	4
5	9,080	8,330	14,660	8,180	13,900	13,500	17,200	26,700	17,600	13,200	11,800	10,500	5
6	9,270	8,230	12,800	10,700	14,800	13,600	17,900	20,400	18,200	13,100	11,800	9,050	6
7	9,300	8,320	12,200	12,800	25,600	30,300	18,300	20,600	18,100	13,100	11,800	9,040	7
8	9,210	9,210	12,100	18,300	34,000	49,500	17,000	20,200	17,700	13,000	11,900	9,040	8
9	9,220	11,300	11,900	13,200	44,900	43,300	17,600	20,600	17,200	13,000	12,600	8,920	9
10	9,140	11,800	11,900	10,300	30,600	37,100	15,600	21,000	17,100	13,000	12,700	9,170	10
11	9,180	11,800	11,800	9,980	20,900	33,300	15,000	21,000	17,000	13,000	12,400	9,230	11
12	9,100	11,700	11,800	9,010	32,000	28,800	15,400	21,100	17,000	13,000	12,600	9,210	12
13	9,250	11,700	11,900	8,750	90,900	26,400	16,200	21,200	16,800	12,900	12,300	9,050	13
14	9,260	11,600	12,000	8,590	53,000	26,100	17,300	21,600	16,700	13,000	12,300	9,060	14
15	9,260	11,700	11,900	8,480	32,600	24,200	16,000	22,200	16,600	13,000	12,300	9,050	15
16	9,290	11,800	11,800	8,400	27,800	25,700	15,300	21,700	16,700	13,200	12,300	8,990	16
17	9,200	11,800	11,800	8,250	25,100	25,300	15,200	21,300	16,500	13,100	12,300	9,000	17
18	9,210	11,800	10,900	8,330	22,500	50,600	15,600	21,300	16,200	12,800	12,700	9,070	18
19	9,480	11,800	9,760	8,250	21,000	70,100	16,000	21,500	15,900	12,600	13,200	9,230	19
20	10,500	11,700	9,760	8,250	29,300	63,800	16,300	20,500	15,200	12,500	13,000	9,270	20
21	11,100	11,600	9,600	8,250	23,100	54,100	15,600	19,200	14,700	12,500	12,800	9,270	21
22	11,200	11,700	9,620	8,250	20,900	74,600	15,700	18,700	14,100	12,400	12,800	9,320	22
23	10,700	11,600	9,550	8,210	20,000	49,200	15,700	18,200	13,400	12,100	12,500	9,270	23
24	9,190	11,600	9,600	8,250	19,400	49,500	16,900	17,800	14,100	12,300	12,500	9,220	24
25	9,130	11,600	9,290	8,310	18,600	72,100	21,800	17,800	14,000	12,500	12,500	9,240	25
26	9,140	11,600	8,600	8,330	16,800	56,300	20,000	17,600	13,900	12,200	12,500	9,170	26
27	9,280	11,700	9,110	8,300	14,800	34,500	16,500	17,600	13,000	12,000	12,600	9,230	27
28	9,980	11,600	10,400	8,260	13,500	33,500	17,900	17,500	13,500	12,000	12,600	9,180	28
29	10,500	11,600	10,400	8,280	27,700	17,400	17,600	17,600	13,500	12,000	12,700	9,280	29
30	11,100	11,900	8,940	8,250	21,700	19,300	17,700	17,700	13,400	11,900	12,700	9,170	30
31	11,900		8,560	8,460	14,200		17,700			11,900	12,700		31
MEAN	9,603	10,977	11,761	9,142	26,476	36,219	16,763	19,958	15,476	12,712	12,390	9,597	MEAN
MAX	11,900	11,800	27,200	18,300	90,900	79,100	21,800	22,200	18,200	13,300	13,200	12,700	MAX
MIN.	8,980	8,230	8,590	8,130	13,500	13,500	14,900	17,500	13,400	11,900	11,800	8,920	MIN.
AC. FT.	590474	693216	723153	562135	1471536	2227040	927487	1221024	951867	781686	761851	571101	AC. FT.

E - ESTIMATED
NR - NO RECORD
- DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- E AND .

WATER YEAR SUMMARY

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET	
15902.1		106000	85.26	02	13	1730	7870.0	66.63	01	04	0400	11512576	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE				FROM	TO		
39 54 34	122 05 31	NE28 24N 2W	171,000	91.48	1/24/70	APR 45-DATE	APR 45-DATE		1945		100.00	USED
									1945		97.15	USGS

Station located 250 ft. above Vina-Corning Highway bridge, 2.6 mi. SW of Vina. The maximum discharge of record is for the main river channel and does not include water by-passing the station on the left bank. Flow regulated by Shasta Lake since December 30, 1943. Approximately 190,000 acre-feet diverted from the river between Keswick and Vina in addition to diversions from the tributaries. Trans-basin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 1963. Grainage area, excluding Goose Lake Basin, is approximately 10,930 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	802630	SACRAMENTO RIVER AT HAMILTON CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8,340	11,900	11,750	8,460	13,100	13,900	17,400	17,200	15,400	11,100	10,300	10,300	1
2	8,390	11,600	11,900	8,270	26,200	14,400	15,900	17,200	12,300	11,000	10,300	10,500	2
3	8,390	9,650	13,600	8,200	16,600	14,800	15,100	17,600	15,100	10,900	10,300	10,300	3
4	8,420	8,770	29,100	8,110	14,900	14,200	15,100	19,000	15,100	10,900	10,100	9,550	4
5	8,440	8,150	16,400	8,110	14,200	13,600	10,800	18,300	15,200	10,900	10,100	9,030	5
6	8,390	8,000	13,500	9,610	14,300	13,600	16,000	17,900	15,700	10,900	10,100	7,920	6
7	8,370	8,930	12,700	13,700	23,900	24,600	16,400	16,200	15,700	11,000	10,100	7,710	7
8	8,300	6,790	12,500	17,400	35,200	52,100	10,600	17,800	15,300	10,800	9,980	7,700	8
9	8,430	9,410	12,300	14,800	50,500	40,500	17,300	16,100	14,700	10,700	10,100	7,720	9
10	8,390	11,400	12,200	10,900	33,900	39,500	15,000	14,500	14,700	10,700	10,100	7,940	10
11	8,370	11,500	12,200	9,740	22,600	30,100	14,600	14,500	14,000	10,700	9,970	8,040	11
12	8,270	11,500	12,200	9,200	26,900	34,900	14,400	14,700	14,500	10,600	10,100	8,230	12
13	8,420	11,600	12,200	8,800	83,500	28,100	15,400	18,700	14,300	10,600	9,920	8,100	13
14	8,440	11,500	12,400	8,630	67,300	27,300	16,000	19,200	14,200	10,600	9,960	8,180	14
15	8,400	11,600	12,200	8,470	36,000	25,800	17,300	17,700	14,100	10,600	9,920	8,190	15
16	8,390	11,600	12,200	8,390	29,500	26,400	14,300	19,500	14,200	11,000	9,950	8,180	16
17	8,340	11,600	12,400	8,260	26,500	26,600	13,600	19,200	14,000	11,000	10,000	8,230	17
18	8,330	11,700	11,200	8,240	24,200	40,900	13,900	19,100	13,700	10,700	10,400	8,240	18
19	8,470	11,700	10,000	8,230	21,900	64,900	13,700	19,300	13,400	10,600	10,700	8,300	19
20	9,470	11,700	9,970	8,200	29,000	67,900	14,300	18,700	12,700	10,500	10,800	8,340	20
21	10,230	11,800	9,400	8,170	24,200	57,800	13,200	17,100	12,400	10,500	10,500	8,360	21
22	10,300	11,300	9,760	8,160	21,800	80,000	13,100	16,600	11,400	10,400	10,300	8,420	22
23	10,200	11,300	9,680	8,160	20,800	53,400	13,400	16,200	11,000	10,100	10,200	8,340	23
24	8,770	11,800	9,990	8,120	20,100	50,500	14,100	15,600	11,700	10,300	10,100	8,320	24
25	8,550	11,800	9,540	8,210	19,400	70,800	10,900	15,600	11,700	10,400	10,100	8,370	25
26	8,550	12,000	9,840	8,250	17,500	63,700	14,000	15,500	11,500	10,400	10,100	8,400	26
27	8,670	11,300	9,570	8,200	15,500	44,100	10,300	15,300	11,400	10,300	10,100	8,590	27
28	9,270	11,800	19,000	8,170	13,800	30,700	15,500	19,200	11,300	10,300	10,200	8,750	28
29	9,650	11,800	11,400	8,190		31,300	15,200	19,300	11,300	10,400	10,200	8,830	29
30	10,500	11,800	9,250	8,130		24,700	16,500	19,300	11,200	10,200	10,300	8,570	30
31	11,500		8,700	8,360		20,300		15,300		10,200	10,300		31
MEAN	8,975	10,496	12,151	9,158	27,260	37,458	15,526	17,529	13,000	10,622	10,180	8,521	MEAN
MAX	11,500	12,000	29,100	17,400	83,500	80,800	19,700	19,700	15,700	11,100	10,800	10,500	MAX
MIN.	8,290	8,000	6,570	8,110	13,100	13,600	13,100	15,200	11,200	10,100	9,920	7,700	MIN.
AC FT.	545732	654347	747173	563107	1513963	2303205	923900	1077818	809256	653157	625983	507074	AC FT.

WATER YEAR SUMMARY

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
— E AND *

MEAN	DISCHARGE	MAXIMUM	MINIMUM	TOTAL
1509001	103000	GAGE HT 44.49 MO DAY TIME 02 13 2345	DISCHARGE 734000 GAGE HT 26.50 MO DAY TIME 09 09 1930	ACRE FEET 10924735

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO GAGE	REF DATUM
			CFS	GAGE HT	OATE			FROM	TO		
39 45 07	121 59 43	NE20 22N 1W	158,000	45.65	1-17-74	SPR 45-DATE	27-DATE	1927	1945	127.9	USED
								1945		100.0	USED
								1945		96.5	USCGS
<p>Station located at Gianella bridge, State Highway 32, 1.0 mi. NE of Hamilton City. The maximum discharges of record since Feb. 1940, are for the main river channel and do not include water bypassing the station on the left bank. Flow regulated by Shasta Lake since December 30, 1943. Approximately 950,000 acre-feet diverted from the river between Keswick and Hamilton City in addition to diversions from the tributaries. Transbasin diversions from the Trinity River Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 1963. Drainage area, excluding Goose Lake Basin, is approximately 11,060 sq. mi.</p>											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A04242	MUD CREEK NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.7	0.1	3.2	7.1	436	12	44	17	1.9	0.0	0.0	0.0	1
2	0.0*	0.0	0.9	5.2	492	14	39	15	2.0	0.0	0.0	0.0	2
3	0.0	0.0	32	4.1	25	12	37	15	1.9	0.0*	0.0	0.0*	3
4	0.0	0.0	173	3.5	91	11	34	14	1.5	0.0	0.0	0.0	4
5	0.0	0.0	21	3.2	66	11	40	14	1.2	0.0	0.0*	0.0	5
6	0.7	0.0	8.0	71	134	23	37	12	0.9	0.0	0.0	0.0	6
7	0.7	3.2	5.0	62	168	263	34	12	0.9	0.0	0.0	0.0	7
8	0.7	5.7*	3.1	81	NR	367	52	11	0.6	0.0	0.0	0.0	8
9	0.7	0.3	2.1	37	NR	635	53	12	0.3	0.0	0.0	0.0	9
10	0.7	0.0	1.6	21	NR	248	44	11	0.2	0.0	0.0	0.0	10
11	0.0	0.0	1.3	14	NR	144	40	9.5	0.1	0.0	0.0	0.0*	11
12	0.0	0.0	1.4	10	NR	42	35	8.7	0.1	0.0	0.0	0.0	12
13	0.7	0.0	5.8	8.0	657	84	32	4.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	3.3	6.5	265	83	31	7.6	0.0	0.0	0.0	0.0	14
15	0.0	0.0	1.9	5.4	134	59	26	7.4	0.0	0.1	0.0	0.0	15
16	0.7*	0.0	1.4	4.7	28	154	25	7.1	0.0	0.0	0.0	0.0	16
17	0.0	0.0	1.7	3.9	60	72	23	5.9	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.8	3.5	48	93	21	5.6	0.0*	0.0	0.0	0.0	18
19	0.0	0.1	0.7	3.2	48	253	21	5.4	0.0	0.0	0.0	0.0	19
20	0.0	0.1	0.8	2.9	46	182	19	5.3*	0.0	0.0	0.0	0.0	20
21	0.7	0.3	0.8	2.6*	35	746	18	5.0	0.0	0.0	0.0	0.0	21
22	0.0	0.9	0.7	2.2	28	305	17	4.6	0.0	0.3*	0.0*	0.0	22
23	0.7	1.0	0.5	2.0	24	158	16	4.2	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.6	1.8	22	177	24	3.8	0.0	0.0	0.0	0.0	24
25	0.0	0.4	0.7	1.8	20	258	27	3.5	0.1	0.0	0.0	0.0	25
26	0.7	0.5	0.9	1.7	18	162	23	3.1	0.2	0.0	0.0	0.0	26
27	0.7	0.6*	2.7	1.4	15	121	21	2.9	0.0	0.0	0.0	0.0	27
28	1.4	0.4	398	1.3	12	90	20	2.5	0.0	0.3	0.0	0.0	28
29	0.7	0.3	44	1.6	7	70	19	2.1	0.0	0.0	0.0	0.0	29
30	0.7*	0.3	20	1.8	54	54	19	2.0	0.0	0.0	0.0	0.0	30
31	3.8		4.8	4.2		52		1.8		0.0	0.0		31
MEAN	0.1	0.5	42.0	12.2	NR	161	29.8	7.7	0.4	0.0	0.0	0.0	MEAN
MAX.	3.0	5.7	398	81.0	NR	746	53.0	17.0	2.0	0.1	0.0	0.0	MAX.
MIN.	0.0	0.0	0.2	1.3	NR	11.0	16.0	1.5	0.0	0.0	0.0	0.0	MIN.
AC FT	4	24	2562	753	NR	9424	1773	476	24				AC FT

WATER YEAR SUMMARY

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF FLOW MADE THIS DAY
 — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 47 02	121 53 06	SE5 22N 1E	10,400		1/13/69	NOV 64-DATE	NOV 64-DATE	1964		0.00	LOCAL

Station located 0.1 mi. above Old Highway 99E bridge, 4.9 mi. N of Chico. Tributary to Sacramento River via Big Chico Creek. Includes an undetermined amount of water from Big Chico Creek. Drainage area is 47.5 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	400928	MUD CREEK DIVERSION AT CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0*	0.0	0.0	0.0	0.0*	0.0	0.0	0.0*	0.0	0.0*	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	0.0*	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	0.0	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MAX
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN
AC FT.					40								AC FT.

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR

OBSERVATION OF FLOW MADE THIS DAY

- E AND *

MEAN DISCHARGE	DISCHARGE	MAXIMUM GAGE HT	MO	DAY	TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT	MO	DAY	TIME	TOTAL ACRE FEET
0.1	187	8.96	02	13	0900	0.0	7.16	10	01	0000	40

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC. T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 47 07	121 48 01	SW18 22N 2E	N.R.			NOV 64-DATE	NOV 64-DATE	1964		0.00	LOCAL
Station located 0.4 mi. above Wildwood Avenue bridge, 4.0 mi. NE of Chico. This flow is diverted from Lindo Channel into Mud Creek during periods of high water. Crest of diversion weir is at gage height 8.38.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO	STATION NAME
1975	804250	RIO CHICO CREEK AT CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8.2	30	25	41	115	131	234	202	51	23	12	11	1
2	8.7	24	25	38	444	193	204	106	22	22	9.7	12	2
3	9.1	21	105	36	229	214	190	185	44	22	12	9.1	3
4	9.3	21	311	34	215	184	190	108	44	22	12	8.7	4
5	9.1	21	67	35	223	184	230	172	42	21	6.8	8.2	5
6	9.1	21	45	35	183	183	185	159	40	20	11	7.5	6
7	9.2	20	44	112	312	443	176	150	39	17	8.2	7.5	7
8	14	36	36	301	605	674	212	144	38	17	9.1	7.6	8
9	15	26	35	172	724	664	215	136	38	18	9.6	8.2	9
10	14	22	33	100	565	543	219	134	33	17	9.2	9.2	10
11	13	21	31	79	351	502	221	130	32	17	10	11	11
12	12	21	31	63	443	416	227	128	32	17	7.7	10	12
13	12	20	33	55	550	343	228	124	31	16	4.6	9.2	13
14	12	20	32	49	634	275	246	127	31	15	9.5	9.2	14
15	12	20	34	46	464	235	234	125	30	15	4.4	9.7	15
16	12	20	33	43	379	282	210	120	29	21	9.5	8.9	16
17	12	20	32	42	277	240	189	114	28	20	9.5	8.5	17
18	12	24	32	40	210	453	170	109	27	14	14	8.2	18
19	12	26	31	39	200	764	162	103	28	17	18	9.4	19
20	12	23	31	38	252	647	154	101	29	17	16	8.6	20
21	12	26	30	37	216	634	148	96	28	17	14	8.8	21
22	13	46	33	36	167	556	146	91	27	13	17	8.1	22
23	13	33	33	35	160	480	149	77	26	13	17	7.9	23
24	14	28	33	34	144	444	274	74	26	13	15	8.1	24
25	15	29	32	33	134	731	509	71	32	13	13	7.8	25
26	15	30	32	33	125	642	423	67	28	12	11	7.3	26
27	19	27	109	33	122	539	350	84	26	12	11	7.4	27
28	29	26	108	32	123	446	207	61	25	13	12	7.2	28
29	26	75	35	35	373	248	68	56	24	11	11	7.5	29
30	21	25	34	32	305	222	53	23	12	10	7.6	20	30
31	29	46	36	36	270		52		11	11			31
MEAN	14.1	25.3	56.3	54.4	226	421	227	116	32.4	16.5	11.4	8.5	MEAN
MAX	29.7	46.0	311	301	651	764	504	202	23.0	14.0	14.0	12.0	MAX
MIN	8.5	20.6	25.0	32.0	122	131	146	23.0	11.0	6.8	7.2	7.2	MIN
AC FT.	865	1505	3463	3540	16107	25402	13543	7150	1954	1018	704	513	AC FT.

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY

- - E AND *

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET
10842	DISCHARGE	GAGE HT	MO	DAY	DISCHARGE	GAGE HT	MO	DAY	78314
	432	9.43	02	13	1.5	3.61	08	11	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
39 43 38	121 51 43	SE28 22N 1E	N.R.			JAN 56-DATE	JAN 56-DATE	1956		167.88

Station located 50 ft. above Rose Avenue Highway bridge, immediately W of Chico. Tributary to Sacramento River. Flow affected by upstream diversion.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

<table border="1"> <tr> <th>WATER YEAR</th><th>STATION NO.</th><th colspan="12">STATION NAME</th></tr> <tr> <td>1975</td><td>A00615</td><td colspan="12">LINDO CHANNEL NEAR CHICO</td></tr> </table>														WATER YEAR	STATION NO.	STATION NAME												1975	A00615	LINDO CHANNEL NEAR CHICO											
WATER YEAR	STATION NO.	STATION NAME																																							
1975	A00615	LINDO CHANNEL NEAR CHICO																																							
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY																												
1	0.0	0.0	0.0	0.0	2.4	3.3	3.4	18	0.0	0.0	0.0	0.0	1																												
2	0.0	0.0	0.0	0.0	0.0	13	26	14	0.0	0.0	0.0	0.0	2																												
3	0.0	0.0	7.7	0.0	4.7	21	21	13	0.0	0.0	0.0	0.0	3																												
4	0.0	0.0	3.2	0.0	21	14	20	15	0.0	0.0	0.0	0.0	4																												
5	0.0	0.0	0.0	0.0	4.3	10	24	11	0.0	0.0	0.0	0.0	5																												
6	0.0	0.0	0.0	0.2	5.0	20	20	8.1	0.0	0.0	0.0	0.0	6																												
7	0.0	0.0	0.0	0.0	2.4	14.5	17	5.7	0.0	0.0	0.0	0.0	7																												
8	0.0	0.0	0.0	0.0	26.4	46.6	25	4.0	0.0	0.0	0.0	0.0	8																												
9	0.0	0.0	0.0	1.3	0.0	4.0	2.7	0.0	0.0	0.0	0.0	0.0	9																												
10	0.0	0.0	0.0	0.0	3.0	31.2	2.0	1.8	0.0	0.0	0.0	0.0	10																												
11	0.0	0.0	0.0	0.0	1.0	1.7	2.7	1.5	0.0	0.0	0.0	0.0	11																												
12	0.0	0.0	0.0	0.0	3.0	4.3	2.4	1.0	0.0	0.0	0.0	0.0	12																												
13	0.0	0.0	0.0	0.0	1.0	6.0	2.0	0.6	0.0	0.0	0.0	0.0	13																												
14	0.0	0.0	0.0	0.0	4.0	4.6	31	0.0	0.0	0.0	0.0	0.0	14																												
15	0.0	0.0	0.0	0.0	1.0	3.7	2.9	0.0	0.0	0.0	0.0	0.0	15																												
16	0.0	0.0	0.0	0.0	2.4	4.4	2.2	0.0	0.0	0.0	0.0	0.0	16																												
17	0.0	0.0	0.0	0.0	4.4	3.6	1.7	0.0	0.0	0.0	0.0	0.0	17																												
18	0.0	0.0	0.0	0.0	2.3	12.4	1.3	0.0	0.0	0.0	0.0	0.0	18																												
19	0.0	0.0	0.0	0.0	1.4	4.0	11	0.0	0.0	0.0	0.0	0.0	19																												
20	0.0	0.0	0.0	0.0	2.4	5.2	8.3	0.0	0.0	0.0	0.0	0.0	20																												
21	0.0	0.0	0.0	0.0	21	35.3	0.8	0.0	0.0	0.0	0.0	0.0	21																												
22	0.0	0.0	0.0	0.0	1.4	20.4	0.2	0.0	0.0	0.0	0.0	0.0	22																												
23	0.0	0.0	0.0	0.0	4.7	121	0.1	0.0	0.0	0.0	0.0	0.0	23																												
24	0.0	0.0	0.0	0.0	4.4	11.0	5.4	0.0	0.0	0.0	0.0	0.0	24																												
25	0.0	0.0	0.0	0.0	4.1	7.85	13.9	0.0	0.0	0.0	0.0	0.0	25																												
26	0.0	0.0	0.0	0.0	2.8	41.3	0.4	0.0	0.0	0.0	0.0	0.0	26																												
27	0.0	0.0	0.0	0.0	1.4	20.4	0.0	0.0	0.0	0.0	0.0	0.0	27																												
28	0.0	0.0	0.0	0.0	1.4	12.0	3.9	0.0	0.0	0.0	0.0	0.0	28																												
29	0.0	0.0	0.0	0.0	0.0	7.4	2.9	0.0	0.0	0.0	0.0	0.0	29																												
30	0.0	0.0	0.0	0.0	0.0	5.8	2.3	0.0	0.0	0.0	0.0	0.0	30																												
31	0.0	0.0	0.0	0.3	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	31																												
MEAN	0.0	0.0	1.7	0.3	1.6	19.4	29.4	3.1	0.0	0.0	0.0	0.0	MEAN																												
MAX	0.3	0.3	32.0	6.6	1.6	99.0	13.9	18.0	0.0	0.0	0.0	0.0	MAX																												
MIN	0.0	0.0	0.0	0.0	1.4	3.3	6.1	0.0	0.0	0.0	0.0	0.0	MIN																												
AC FT	2	1	10.4	1.7	91.6	122.31	17.78	191					AC FT																												

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY

- EAND -

MEAN		MAXIMUM				MINIMUM				TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	DISCHARGE	GAGE HT	MO	DAY	ACRE FEET	
32.4		246.0	7.48	02	13	0.0	0.52	10	01	234.39	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		REF OATUM
			CF5	GAGE HT	DATE				FROM	TO	
39 44 57	121 52 06	NE21 22N 1E	3840	9.77	3/29/74	DEC 72-DATE	DEC 72-DATE		1972		170.00 USED

Station located right abutment, Cossick Ave. bridge, 2-1/2 mi. NW of Chico Post Office. Tributary to Sacramento River via Big Chico Creek. Flow affected by upstream diversion. Station A00600 was destroyed on December 5, 1972. Station A00615 was constructed about 3 1/2 miles upstream on December 20, 1972.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9,210	7,460	48,110	72,000	52,000	37,500	122,000	13,500	14,700	11,300	9,940	11,400	1
2	9,130	7,410	45,400	47,400	51,200	43,200	123,000	12,900	14,400	11,300	9,960	11,500	2
3	9,160	7,410	53,210	44,900	43,300	34,800	114,000	12,300	14,400	11,100	9,930	11,600	3
4	9,100	7,420	51,000	37,900	40,400	28,200	104,000	11,700	14,400	10,800	10,600	11,600	4
5	9,120	7,490	54,500	33,900	33,900	23,500	70,700	11,300	13,600	10,700	10,600	11,600	5
6	8,330	7,660	51,100	35,100	13,600	22,100	57,900	11,900	13,700	10,700	10,100	11,600	6
7	7,510	9,170	53,200	35,200	30,100	30,700	51,900	17,000	13,000	10,900	10,100	11,700	7
8	9,290	13,000	48,500	34,300	27,300	52,500	47,100	18,200	13,400	11,200	10,300	11,800	8
9	9,440	11,700	42,300	30,500	26,000	34,900	45,700	18,600	13,300	11,700	10,600	11,900	9
10	8,640	14,700	35,400	26,900	21,600	30,000	46,700	18,600	13,100	12,200	10,900	12,100	10
11	8,730	45,300	34,500	76,200	18,700	27,300	44,900	18,500	12,900	11,800	11,000	11,600	11
12	8,690	72,700	30,500	28,200	17,900	32,100	43,700	18,500	12,900	11,400	11,200	11,200	12
13	8,630	56,200	35,600	34,600	24,100	27,300	42,900	18,300	12,600	10,600	11,100	11,100	13
14	8,500	46,000	30,300	38,900	24,100	23,400	42,100	17,300	12,500	10,700	11,100	11,300	14
15	8,500	41,600	32,600	69,000	23,900	22,700	37,800	15,100	12,400	10,700	11,100	11,400	15
16	7,650	46,200	30,500	114,000	23,500	37,200	33,700	14,700	12,400	10,600	11,100	11,600	16
17	7,270	58,600	33,400	139,000	22,700	37,900	32,600	14,800	12,500	10,500	11,100	11,600	17
18	7,100	67,500	32,900	124,000	21,400	40,300	32,200	14,900	12,400	10,400	11,100	10,600	18
19	7,170	71,300	31,100	118,000	24,300	39,300	30,800	12,300	12,300	10,500	11,200	9,940	19
20	7,160	48,000	34,100	112,000	28,700	38,300	22,700	14,600	12,400	10,400	11,200	9,090	20
21	7,120	24,900	35,400	99,300	23,200	37,300	17,600	14,100	12,500	10,300	11,100	8,900	21
22	7,270	44,600	46,700	95,300	22,400	30,300	13,000	13,500	12,200	10,400	11,200	8,860	22
23	8,130	52,300	49,100	89,700	21,500	31,400	14,200	13,300	12,200	10,300	11,100	8,820	23
24	8,350	53,300	44,300	84,800	20,800	22,500	14,300	13,300	12,700	10,100	11,100	8,740	24
25	8,100	49,500	41,300	82,100	19,400	17,700	13,100	14,600	11,900	10,100	11,200	8,600	25
26	7,570	48,300	37,700	79,700	18,100	16,700	14,800	14,100	11,000	10,000	11,200	8,630	26
27	7,020	43,300	40,200	71,300	16,800	17,400	14,000	14,200	11,500	10,000	11,200	8,650	27
28	7,610	38,000	51,300	67,500	16,200	20,500	18,000	14,300	11,400	10,600	11,100	8,570	28
29	7,530	37,400	43,900	62,900	14,400	19,400	14,900	14,900	11,300	10,000	11,200	8,570	29
30	7,470	42,300	41,100	61,300	13,300	14,900	17,800	12,000	11,400	10,000	11,300	8,620	30
31	7,440		54,500	53,700		12,400		14,400		9,940	11,400		31
MEAN	8,170	36,190	47,096	65,654	26,796	30,987	43,688	14,919	12,736	10,607	10,442	10,446	MEAN
MAX.	9,290	72,700	66,100	139,000	52,000	43,000	123,000	14,800	14,700	12,200	11,400	12,100	MAX.
MIN.	7,020	7,410	30,100	26,200	16,200	16,600	14,000	11,300	11,300	9,980	9,930	8,570	MIN.
AC. FT.	5'23.73	212,347.3	269,980.0	443,695.6	1,488,108	2,614,908	25,995.36	91,335	75,784.4	65,589.4	66,670.4	62,160.0	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED N - NO RECORD - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY. - E AND -	MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL	
	26955.3	DISCHARGE	GAGE HT	MO.	DAY	DISCHARGE	GAGE HT	MO.	DAY	ACR. FEET	19514766
		142000	66.43	01	17	6660.0	46.43	10	20		

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	# OF DATUM	
			CFS	GAGE HT	DATE						
39 37 39	121 59 26	SP32 21N 1W	142,000	66.43	1/17/74	JAN 48-DATE	21-MAY 27 #	1937	1960	0.00	USED
							FEB 37-MAY 37				
							OCT 37-MAY 39	1960		50.00	USED
							NOV 39-MAY 41 #				
							NOV 41-DATE				
Station located 0.1 mi. below Ord Ferry. Records of flows in excess of 70,000 cubic feet per second are not reliable due to an undetermined amount of water by-passing the station via Butte Basin. Flow regulated by Shasta Lake since December 30, 1943. Approximately 680,000 acre-feet diverted from the river between Keswick and Ord Ferry in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 1963. Drainage area, excluding Goose Lake Basin, is approximately 12,480 sq. mi.											

- Flood season only.

(IN CUBIC FEET PER SECOND)

WATER YEAR SUMMARY
$$\Rightarrow -E \text{ AND } \dots$$
- Flood season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR		STATION NO	STATION NAME										
1975		A029A6	MOULTON WEIR SPILL TO BUTTE BASIN										
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0*	0.0	0.0	0.0	0.0*	0.0	0.0	0.0*	0.0	0.0*	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	0.0*	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	4.310	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	1.420	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0*	3.1	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	1.940	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	1.740	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	2.090	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	4.510	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	3.49	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	1.76	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	3.560	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	1.440	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	0.0	206	516	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX	0.0	0.0	0.0	0.0	4.310	4.510	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC FT.					11457	31752							AC FT.

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
= - E AND *

WATER YEAR SUMMARY

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE	FEET
59.7		6350	79.78	02	14	1800	0.0	74.00	10	01	0000	43208	

LOCATION		MAXIMUM DISCHARGE			PERIOD OF RECORD				DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M O B & W	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM TO	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
39 20 18	122 01 18	SE12 17N 2W	N.R.			JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED
Station located west of south end of weir, 4.6 mi. S of Princeton. Elevation of weir crest is 76.75 ft. USED datum; length of crest is 500 ft.											
# - Flood season only.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02981	COLUSA WEIR SPILL TO BUTTE BASIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	5.300	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	4.400	17.400	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	11.200	15.300	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	1.210	10.500	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	5.800	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	8.500	2.000	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	33.700	389	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	27.800	52	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	6.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	724	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	402	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	14.600	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	27.800	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	29.200	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	27.100	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	34.700	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	23.500	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	20.100	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	30.500	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	27.400	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	11.800	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	4.220	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0	0.0	670	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	0.0	3.367	4.966	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX	0.0	0.0	0.0	0.0	33.700	34.700	0.0	0.0	0.0	0.0	0.0	0.0	MAX
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN
AC FT					167024	612799							AC FT

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- E AND -

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAUGE HT	MO	DAY	TIME	DISCHARGE	GAUGE HT	MO	DAY	TIME	ACRE FEET
1104.8	38000	66.40	02	14	2200	0.0	61.00	10	01	0000	799828

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1 SEC T & R NO B & M	OF RECORD			DISCHARGE	GAUGE HEIGHT ONLY	PERIOD		ZERO ON GAUGE
			CFS	GAUGE HT	DATE			FROM	TO	
39 14 12	121 59 38	SE17 16N 1W		70.6	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00
Station located at north end of weir, 2.0 mi. N of Colusa. Elevation of weir crest is 61.80 ft. USED datum; length of crest is 1,650' ft. # - Flood season only.										

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

TABLE B-3 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR		STATION NO.	STATION NAME	
1975		404910	LITTLE CHICO CREEK DIVERSION NEAR CHICO	

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0*	0.0	0.0	0.0	3.4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0*	0.0	0.0	0.0	0.0*	0.0	0.0	0.0*	0.0	0.0*	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	0.0*	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0*	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	3.4	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0*	11
12	0.0	0.0	0.0	0.0	2.6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	5.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0*	0.0*	4.4	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0*	0.0*	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.5	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC FT.			1		36.8	9							AC FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
— E AND *

MEAN		MAXIMUM				MINIMUM				TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME
0.5		7.16	3.07	02	01	1930	0.0	0.01	10	01	0000
										ACRE FEET	
										377	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
			2450	3.99	3/29/74	JAN 59-DATE					
See Little Chico Creek near Chico for records of stage and location. This is flow diverted from Little Chico Creek, into Butte Creek during periods of high water.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A04265	BUTTE CREEK NEAR DURHAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	98	149	124	150	908	635	947	720	682	56	39	23	1
2	106	121	127	152	1,470	890	722	652	55	36	24	2	2
3	104	116	346	153	560	910	868	778	608	54	37	23	3
4	110	137	904	156	588	794	868	787	595	45	38	24	4
5	121	133	302	158	397	748	695	608	602	41	39	21	5
6	122	132	234	219	346	823	839	599	577	39	42	20	6
7	132	150	210	312	546	1,400	798	579	551	44	44	17	7
8	125	202	194	754	1,620	2,472	696	583	481	44	41	19	8
9	145	159	182	451	2,950	2,330	869	623	400	46	33	18	9
10	148	145	177	311	1,530	1,680	841	648	326	47	33	21	10
11	139	142	179	264	1,030	1,290	814	680	323	45	36	52	11
12	129	143	182	237	1,800	1,100	815	729	294	43	40	72	12
13	126	140	203	223	4,120	1,010	836	773	284	45	33	81	13
14	117	136	159	215	1,740	938	869	802	265	49	28	81	14
15	40	134	121	204	1,070	875	810	821	263	56	25	83	15
16	32	132	121	200	657	998	764	778	259	61	28	90	16
17	30	132	123	194	766	891	726	786	233	69	29	90	17
18	27	150	123	190	693	1,280	698	799	208	57	39	90	18
19	64	160	121	191	701	3,050	688	823	166	50	37	92	19
20	75	141	123	191	692	2,230	694	407	182	46	45	92	20
21	77	153	125	185	745	2,000	727	710	153	44	42	92	21
22	75	271	131	186	556	1,690	724	654	190	46	50	92	22
23	76	186	133	180	599	1,280	705	646	70	49	42	94	23
24	79	150	133	179	378	1,260	1,200	668	102	55	36	94	24
25	62	151	139	176	567	3,070	1,490	665	120	55	32	80	25
26	56	173	140	176	556	2,050	1,100	633	76	47	28	67	26
27	99	120	300	175	562	1,510	968	623	69	47	29	80	27
28	162	134	500	165	588	1,250	895	624	61	42	25	85	28
29	178	131	197	179		1,120	849	650	61	37	21	91	29
30	121	126	172	155		1,060	784	656	61	36	24	98	30
31	152		155	158		1,020		665		39	24		31
MEAN	102	148	205	220	1,051	1,416	802	700	294	48.7	35.4	63.5	MEAN
MAX	178	271	909	754	4,120	3,070	1,490	823	682	81.0	57.0	98.0	MAX
MIN	27.0	116	121	150	348	635	648	579	61.0	36.0	21.0	17.0	MIN
AC FT	6242	4424	14054	13565	58391	87078	51364	43039	17506	2993	2176	3780	AC FT

WATER YEAR SUMMARY

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- - E AND *

MEAN	MAXIMUM					MINIMUM						
DISCHARGE	DISCHARGE	DATE	HT	MO	DAY	TIME	DISCHARGE	DATE	HT	MO	DAY	TIME
424.9	5370	7.20		02	13	0830	14.0		1.77	09	07	1515

TOTAL
ACRE FEET
307599

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R M D B & M	DF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 40 37	121 46 38	NW17 21N 2E	21,300 E	14.55	12/22/64	JAN 58-DATE	JAN 58-DATE	1958		181.01	USED

Station located 0.1 mi. below Ord-Chico Highway Bridge, 2.6 mi. NE of Durham. Tributary to Butte Slough. Flow affected at times by large upstream diversions and imports from West Branch Feather River.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR		STATION NO		STATION NAME									
1975		A04280		LITTLE CHICO CREEK NEAR CHICO									
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2	4.3	2.4	9.0	316	25	62	22	7.3	2.5	0.3	0.4	1
2	0.1	2.3	2.6	7.6	300	29	55	20	7.3	2.6	0.3	0.3	2
3	0.2	1.4	1.1	6.7	82	24	53	21	7.0	2.7	0.1	0.1	3
4	0.3	1.6	7.0	5.4	94	22	56	20	6.2	3.0	0.1	0.1	4
5	0.3	1.5	12	5.3	65	21	69	19	6.0	3.1	0.0	0.0	5
6	0.1	1.5	7.9	37	65	36	67	18	5.5	2.9	0.0	0.0	6
7	0.1	4.1	6.1	40	94	111	56	17	5.5	2.7	0.0	0.0	7
8	0.3	6.5	5.0	66	440	215	108	16	5.0	2.8	0.0	0.0	8
9	0.5	2.5	4.4	31	494	232	84	15	4.6	2.6	0.0	0.0	9
10	1.0	1.4	4.0	20	204	172	69	15	4.3	2.2	0.0	0.3	10
11	0.4	1.6	3.7	15	120	118	59	15	4.3	2.5	0.0	0.6	11
12	0.7	1.7	4.6	11	483	84	52	14	4.3	2.5	0.0	0.7	12
13	0.5	1.4	5.5	9.5	642	77	48	14	4.0	2.5	0.0	0.4	13
14	0.5	1.4	4.6	8.3	255	67	45	13	3.9	2.3	0.1	0.3	14
15	0.5	1.4	4.2	7.4	150	72	40	13	4.1	3.3	0.0	0.3	15
16	0.4	2.1	4.2	6.7	105	106	35	13	4.2	5.6	0.0	0.2	16
17	0.4	2.0	3.8	6.0	78	81	33	12	4.3	4.2	0.3	0.1	17
18	0.4	2.3	3.7	5.7	63	131	30	12	4.2	3.0	2.2	0.1	18
19	0.4	2.7	3.5	5.2	64	315	26	11	4.5	2.6	2.9	0.1	19
20	0.4	2.8	3.2	4.8	58	203	27	11	4.8	2.2	2.0	0.1	20
21	0.4	3.9	3.4	4.7	44	360	25	11	4.7	1.9	1.3	0.1	21
22	0.2	6.0	5.5	4.2	43	269	24	11	4.2	1.5	1.1	0.1	22
23	0.2	3.4	9.8	3.9	38	171	24	10	3.6	1.1	0.7	0.0	23
24	0.6	2.8	7.4	3.7	35	174	46	10	4.7	0.7	0.4	0.0	24
25	0.8	2.9	0.2	3.7	32	245	44	9.4	5.1	0.5	0.2	0.0	25
26	1.0	2.9	0.0	3.7	29	175	35	9.0	4.0	0.2	0.2	0.0	26
27	1.5	2.5	98	3.2	27	139	31	8.6	3.5	0.2	0.3	0.0	27
28	7.8	2.8	131	3.4	24	113	27	8.2	3.2	0.2	0.6	0.0	28
29	4.7	2.6	28	10	94	25	7.7	3.1	3.1	0.2	0.6	0.0	29
30	2.1	2.4	16	5.8	81	24	7.2	2.8	0.5	0.5	0.5	0.0	30
31	5.9		11	19	72		6.4		0.5	0.5	0.4		31
MEAN	1.1	2.7	1.4	12.0	159	130	46.8	13.2	4.7	2.1	0.5	0.2	MEAN
MAX.	7.8	6.5	131	66.0	642	360	108	22.0	7.3	5.6	2.9	0.8	MAX.
MIN.	0.1	1.5	0.0	3.2	24.0	21.0	24.0	6.4	2.8	0.2	0.0	0.0	MIN.
AC FT	66	160	1194	740	8034	8007	2783	812	278	130	29	9	AC FT

WATER YEAR SUMMARY

E - ESTIMATED NR - NO RECORD * - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY - E AND *	MEAN DISCHARGE 31.4	DISCHARGE 114.0	MAXIMUM GAGE HT 5.73	MO 02	DAY 01	TIME 1945	MINIMUM DISCHARGE 0.0	GAGE HT 0.10	MO 10	DAY 02	TIME 1915	TOTAL ACRE FEET 22993
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LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE
			CFS	GAGE HT	DATE			FROM	TO	
39 44 02	121 46 23	NE29 22N 2E	1790	7.17	12/21/64	JAN 59-DATE	DEC 58-DATE	1958		296.00

Station located above diversion dam 500 ft. S of Stilson Road, 3.6 mi. E of Chico. Tributary to Sacramento River. During periods of high water, flow is diverted via Little Chico Creek Diversion, into Butte Creek. Discharge listed does not include this diversion. Drainage area is 25.4 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02984	CHEROKEE CANAL NEAR HIGHVALE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.5	41	32	65	1,610	50	124	68	57	24	37	24	1
2	5.8	32	32	58	2,270	64	120	71	52	27	39	4.5	2
3	5.1	26	46	55	666	56	119	71	44	36	39	4.9	3
4	4.7	25	139	54	425	48	113	77	55	38	37	12	4
5	3.4	24	69	53	268	49	107	77	61	41	33	32	5
6	1.2	20	53	204	318	59	149	85	54	45	31	23	6
7	3.9	20	48	305	564	582	122	86	22	46	38	9.4	7
8	4.5	39	45	235	1,620	1,660	216	91	25	38	43	16	8
9	3.9	49	44	143	1,740	525	176	64	28	28	45	11	9
10	7.6	38	44	94	1,190	340	123	69	40	33	43	12	10
11	69	29	43	76	400	198	108	79	35	36	28	18	11
12	93	26	43	73	2,050	124	97	58	32	32	28	22	12
13	95	25	49	68	3,480	112	91	57	34	25	30	30	13
14	40	24	48	65	1,040	332	94	65	40	31	35	29	14
15	40	24	47	63	521	151	88	69	35	32	32	34	15
16	93	28	46	60	322	690	83	57	43	38	25	27	16
17	96	27	45	58	222	215	73	40	46	44	24	18	17
18	99	26	44	57	186	428	72	46	45	44	29	19	18
19	103	29	43	57	191	616	72	54	51	43	45	22	19
20	104	33	42	60	212	401	83	52	48	41	43	21	20
21	103	31	42	58	146	947	83	42	51	40	41	22	21
22	104	36	42	56	120	1,360	79	50	50	41	33	17	22
23	103	42	43	53	109	419	77	54	56	40	33	14	23
24	101	41	42	52	105	443	70	56	55	39	28	11	24
25	104	38	41	52	78	815	67	58	54	38	29	10	25
26	101	39	41	52	60	361	35	67	57	38	40	8.7	26
27	101	38	52	50	56	227	33	69	56	39	39	9.2	27
28	114	36	696	49	53	166	24	67	54	37	45	6.0	28
29	129	34	175	100		160	28	68	53	37	32	3.8	29
30	128	33	42	90		148	55	61	49	33	26	2.8	30
31	114		73	67		135		54		33	30		31
MEAN	70.5	31.8	75.5	83.3	722	383	95.4	63.9	46.1	36.7	34.8	16.5	MEAN
MAX	129	49.0	696	305	3,480	1,660	216	91.0	61.0	46.0	45.0	34.0	MAX.
MIN	1.2	20.0	32.0	49.0	53.0	48.0	24.0	40.0	22.0	24.0	24.0	2.8	MIN.
AC. FT.	4335	1890	4643	5121	40110	23565	5677	3931	2741	2255	2142	979	AC FT.

WATER YEAR SUMMARY

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF FLOW MADE THIS DAY
 — — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
134.5	7130	11.50	02	12	2115	0.5	1.81	10	06	1400	97391

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & W	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 27 53	121 44 37	NW3/4 19N 2E	15,200 E	13.80	10/13/62	JUN 60-DATE	JUL 60-DATE	1960		88.20	USCGS

Station located at Butte City Road bridge, 2.1 miles S of Richvale. Backwater from Cherokee Dam weir, 1.05 miles below station, at times affects the stage-discharge relationship.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02907	BUTTE SLOUGH AT CUTOFF GATES

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	294	286	362	487	290	166	7.0	7.0	123	147	134	11	1
2	255	286	374	517	102	159	0.0	0.0	135	152	199	17	2
3	274	286	391	460	0.0	86	0.0	0.0	193	128	111	23	3
4	314	286	171	395	108	86	73	7.0	120	153	113	30	4
5	374	286	0.0	352	304	112	35	0.0	140	142	117	30	5
6	374	286	93	352	591	126	0.0	0.0	133	75	117	912	6
7	352	286	407	178	552	79	0.0	0.0	96	43	119	975	7
8	346	286	429	95	0.0	0.0	0.0	0.0	51	107	121	391	8
9	357	286	471	0.0	0.0	0.0	0.0	0.0	51	130	121	1090	9
10	374	286	434	96	0.0	0.0	0.0	0.0	45	139	34	1090	10
11	402	286	379	352	0.0	0.0	0.0	0.0	25	142	174	140	11
12	402	286	311	407	0.0	0.0	0.0	0.0	0.0	149	206	994	12
13	413	286	255	407	0.0	0.0	0.0	0.0	0.0	158	200	994	13
14	429	286	209	407	0.0	0.0	0.0	0.0	0.0	152	222	1020	14
15	443	286	188	374	0.0	0.0	0.0	0.0	0.0	174	223	1000	15
16	413	267	121	369	0.0	0.0	0.0	0.0	0.0	155	236	969	16
17	379	267	174	340	0.0	0.0	17	0.0	0.0	152	335	912	17
18	372	280	166	304	0.0	0.0	76	0.0	0.0	172	360	755	18
19	357	286	195	304	0.0	0.0	76	0.0	0.0	184	571	600	19
20	352	286	209	346	0.0	0.0	0.0	0.0	19	175	472	735	20
21	347	316	195	429	0.0	0.0	56	0.0	70	227	527	605	21
22	340	304	195	429	0.0	0.0	76	22	112	248	547	532	22
23	334	304	188	440	0.0	0.0	34	47	136	240	572	572	23
24	328	311	202	429	0.0	0.0	0.0	76	112	254	567	527	24
25	323	323	209	492	0.0	0.0	0.0	112	112	259	591	475	25
26	315	328	230	455	0.0	0.0	0.0	120	112	248	581	374	26
27	311	328	262	402	0.0	0.0	0.0	144	120	250	600	340	27
28	304	346	159	352	59	0.0	0.0	144	152	244	600	310	28
29	298	346	14	209	0.0	0.0	0.0	152	174	140	600	310	29
30	292	352	445	292	0.0	0.0	0.0	144	159	99	529	304	30
31	286	577	296	296	0.0	0.0	0.0	136	109	267	567	304	31
MEAN	345	299	261	351	70.9	26.3	17	37	73.4	175	343	730	MEAN
MAX	440	352	577	547	591	166	76	152	174	259	600	1090	MAX
MIN.	254	267	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	99	304	MIN.
AC FT	21210	17720	14030	21610	3939	1515	1012	2217	4366	10140	21120	43520	AC FT

WATER YEAR SUMMARY

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

MEAN	DISCHARGE	MAXIMUM	DISCHARGE	GAGE HT	MO	DAY	TIME	MINIMUM	DISCHARGE	GAGE HT	MO	DAY	TIME	TOTAL
225	1090	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	164800

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 11 44	121 56 04	NE 35 16N 1W	N.A.			JUN 23-OCT 38 JAN 39-DATE	JUN 24-DATE			0.00	USED
Station located 4.0 mi. E of Colusa, 3.7 mi. N of Meridian. Tributary to Sacramento River. Flow regulated by gravity culverts. During the summer months these flows, together with the flow of Butte Slough near Meridian and Wadsworth Canal near Sutter are made up almost entirely of return water from lands irrigated by Feather River diversions.											
0 - Irrigation season only.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A0296.5	RECLAMATION DISTRICT 70 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.2	12	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	34	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	11	27	0.0	151	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	11	0.0	117	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	1.3	7.2	1.8	92.6	45.0	3.0	0.0	36.1	0.0	0.0	0.0	MEAN
MAX	0.0	0.0	0.0	31	131	84	0.0	0.0	0.0	0.0	0.0	0.0	MAX
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN
AC. FT	32	77	470	297	2924	3233	1814	3682	2271	2943	1710	0.0	AC. FT

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
31.	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	22427
	NR										

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT OWLT	PERIOD		ZERO ON GAGE	REF DATUM
			CF5	GAGE HT	DATE			FROM	TO		
39 04 08	121 51 43	N616 14N 1E	N.A.			MAY 24-OCT 38 "O JAN 39-DATE					
Plant located 1.7 mi. E of Grimes. This is drainage returned by pumping and gravity. Plant also discharges additional unmeasured flows to irrigation canals.											
"O - Irrigation season only.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1974	A02960	TISDALE WEIR SPILL TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					0.0	0.0	1020						1
2					0.0	0.0	0.0						2
3					0.0	0.0	0.0						3
4					0.0	0.0	0.0						4
5					0.0	0.0	0.0						5
6					0.0	0.0	0.0						6
7					0.0	0.0	0.0						7
8					325	1700	0.0						8
9					5180	7400	0.0						9
10					9230	10100	0.0						10
11	N	N	N	N	6420 *	9400 *	0.0	N	N	N	N	N	11
12					2290	8530	0.0						12
13	O	O	O	O	3860	6840	0.0	O	O	O	O	O	13
14					15500	5630	0.0						14
15					15500	5150	0.0						15
16	F	F	F	F	10100	4250	0.0	F	F	F	F	F	16
17					6600	3900	0.0						17
18	L	L	L	L	6050	3800	0.0	L	L	L	L	L	18
19					3640	6620	0.0						19
20	O	O	O	O	2200	10100	0.0	O	O	O	O	O	20
21	W	W	W	W	4310	11500	0.0	W	W	W	W	W	21
22					3230	11000 *	0.0						22
23					1190	14400	0.0						23
24					21	14000	0.0						24
25					0.0	12500	0.0						25
26					0.0	14200	0.0						26
27					0.0	14400	0.0						27
28					0.0	10700	0.0						28
29						7700	0.0						29
30						5900	0.0						30
31						3670							31
MEAN					3393	6640	34.0						MEAN
MAX.					15500	14800	1020						MAX.
MIN.					0.0	0.0	0.0						MIN.
AC. FT.					188400	408300	2022						AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	DISCHARGE	GAGE HT	MO	DAY	ACR. FEET
627	NR								608700

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 01 36	121 49 16	NE35 14N 1E	25700	53.3	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED
Station located west of north end of weir, 5.0 mi. SE of Crimes. See Sacramento River at Tisdale Weir for stage records. Elevation of weir crest is 45.45 ft. USED datum; length of crest is 1,155 ft. Backwater from Sutter Bypass at times affects stage-discharge relationship.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO	STATION NAME
1975	A02933	RECLAMATION DISTRICT 108 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	124	107	59	0.0	254	0.0	93	213	449	314	350	358	1
2	0.0	0.0	0.0	0.0	655	116	83	241	370	308	261	357	2
3	0.0	0.0	0.0	0.0	216	87	39	242	401	262	468	302	3
4	0.0	0.0	113	0.0	320	0.0	97	213	427	383	288	346	4
5	94	0.0	0.0	149	260	119	84	434	401	262	312	302	5
6	0.0	0.0	0.0	0.0	244	93	118	441	389	349	362	357	6
7	0.0	88	94	0.0	179	140	61	388	397	297	357	454	7
8	0.0	0.0	0.0	102	268	220	62	383	507	299	421	353	8
9	0.0	0.0	0.0	0.0	396	282	64	330	325	258	311	363	9
10	0.0	0.0	0.0	0.0	298	142	0.0	381	352	305	439	362	10
11	0.0	0.0	0.0	0.0	194	167	88	534	351	337	308	355	11
12	106	0.0	127	103	306	161	90	370	352	262	398	355	12
13	0.0	0.0	0.0	0.0	310	158	87	434	163	442	346	338	13
14	0.0	0.0	0.0	0.0	310	172	45	336	361	257	349	483	14
15	0.0	97	0.0	141	304	121	45	376	367	297	368	249	15
16	0.0	0.0	102	0.0	419	155	81	351	358	312	369	281	16
17	0.0	0.0	0.0	90	127	134	58	326	406	356	351	254	17
18	0.0	0.0	0.0	0.0	130	121	64	575	332	303	430	239	18
19	107	0.0	0.0	0.0	132	194	82	436	382	298	414	198	19
20	0.0	0.0	0.0	0.0	132	124	108	500	389	441	393	151	20
21	0.0	0.0	0.0	0.0	132	190	161	534	358	253	450	135	21
22	0.0	0.0	108	99	30	210	136	514	461	346	443	94	22
23	79	0.0	0.0	0.0	123	356	121	418	358	344	368	122	23
24	122	0.0	0.0	0.0	136	174	91	396	314	346	461	126	24
25	0.0	0.0	0.0	0.0	90	198	98	473	334	312	413	93	25
26	0.0	0.0	0.0	0.0	56	179	227	378	388	262	407	94	26
27	125	0.0	0.0	0.0	75	119	103	398	363	468	400	51	27
28	0.0	0.0	138	109	113	212	212	423	351	297	404	66	28
29	0.0	0.0	46	0.0	146	212	249	441	441	308	358	0.0	29
30	0.0	51	22	0.0	113	222	222	449	335	309	358	0.0	30
31	0.0		0.0	0.0	81			402		348	461		31
MEAN	24.1	11.4	28.2	25.0	220	146	102	411	373	319	380	242	MEAN
MAX.	125	107	138	149	655	356	227	613	507	498	468	453	MAX
MIN.	0.0	0.0	0.0	0.0	30	0.0	0.0	213	163	253	261	0.0	MIN.
AC FT.	1484	680	1736	1573	12230	9005	6093	28260	22140	19630	23340	14380	AC FT.

WATER YEAR SUMMARY

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MINIMUM DISCHARGE	TOTAL
190	655	0.0	137600
NR	GAGE HT MO DAY TIME	GAGE HT MO DAY TIME	ACRE FEET

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	DF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD	ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE				FROM	TO	
38 52 45	121 47 29	NE30 12N 2E	N.A.			APR 24-OCT 38 "					
						JAN 39-DAT					
Plant located 4.5 mi. E of Robbins. This is drainage returned by pumping.											
N- Irrigation season only.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	AC2955	RECLAMATION DISTRICT 72 nd DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	8.0	3.7	6.1	7.2	47.6	33.5	16.0	71.2	10.2	66.0	73.1	41.3	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.	401	220	376	445	2645	2062	054	4380	6076	4112	4492	2460	AC. FT.

RECORDS SUFFICIENT TO COMPLETE ONLY MONTHLY FLOWS

WATER YEAR SUMMARY

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
39.7	NR					NR					28710

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
38 50 47	121 43 46	NE34 12N 2E	N.A.			MAY 49-DATE					

Plant located 2.1 mi. SW of Robbins. This is drainage returned by pumping. Daily distribution of flows is not available since the plant operates on an automatic float switch.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02976	COLUSA BASIN DRAIN AT HIGHWAY 20

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	263	666	100	326	351	204	254	80	413	575	819	1,420	1
2	224	823	137	278	1,670	194	245	69	442	581	889	1,410	2
3	230	599	308	247	1,180	182	236	207	505	581	890	1,420	3
4	229	398	762	200	423	186	234	429	500	650	889	1,450	4
5	193	293	929	184	623	147	278	366	496	733	839	1,460	5
6	186	169	676	178	565	171	589	423	416	778	848	1,440	6
7	186	156	581	178	711	437	542	502	322	601	867	1,390	7
8	164	188	444	169	1,240	1,550	667	661	275	774	899	1,350	8
9	175	200	390	172	1,840	1,520	680	711	212	756	848	1,410	9
10	197	161	324	153	2,120	1,380	551	819	153	757	840	1,450	10
11	191	191	314	154	1,990	1,330	506	992	204	819	887	1,450	11
12	191	141	272	146	1,640	1,080	424	1,070	191	853	813	1,440	12
13	196	151	269	143	2,270	719	467	1,110	254	776	838	1,400	13
14	176	139	237	131	2,420	869	463	1,140	326	789	869	1,320	14
15	129	131	234	124	2,150	718	403	1,320	368	602	903	1,220	15
16	113	119	221	131	1,630	749	417	1,500	375	1,030	918	1,070	16
17	101	127	224	127	1,170	618	331	1,640	405	1,120	973	1,000	17
18	122	128	216	147	805	804	391	1,620	431	1,070	1,170	938	18
19	126	126	195	212	633	722	399	1,630	459	1,050	1,330	914	19
20	165	114	189	433	561	533	444	1,760	537	1,030	1,440	862	20
21	188	112	192	485	482	543	334	1,760	633	984	1,450	785	21
22	232	143	194	446	395	2,050	152	1,360	730	935	1,390	716	22
23	240	102	188	390	354	1,870	116	1,090	730	890	1,350	632	23
24	257	83	170	311	306	1,460	103	1,010	657	876	1,260	517	24
25	190	96	159	256	292	1,120	268	997	602	872	1,250	460	25
26	201	97	151	230	203	850	264	957	627	842	1,220	424	26
27	241	90	132	186	238	579	142	815	655	813	1,210	388	27
28	436	95	496	166	224	445	257	741	656	792	1,270	381	28
29	521	96	571	159		375	227	677	655	756	1,340	365	29
30	489	98	464	144		331	149	579	621	622	1,410	256	30
31	562		400	144		300		484		767	1,440		31
MEAN	229	202	314	217	1,010	775	356	920	461	828	1,076	1,024	MEAN
MAX	562	823	919	485	2,420	2,050	602	1,760	730	1,120	1,450	1,460	MAX.
MIN	131	830	100	124	224	167	103	690	153	575	813	256	MIN
AC FT.	1,110	1,262	1,920	1,388	5,632	47,955	21,193	56,606	27,451	50,922	66,206	60,968	AC FT.

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY

- E AND *

MEAN	DISCHARGE	MAXIMUM	MINIMUM	TOTAL
DISCHARGE	DISCHARGE	GAGE HT	GAGE HT	ACRE FEET
617.3	247.1	48.14	37.21	4,688.0
	MO	DAY	DAY	
	TIME	TIME	TIME	
	13	1530	05 01	
			2030	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC T & R MOD & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
31 11 44	122 03 34	NE34 16N 2W	25,400 E	51.93	2/21/58	JUN 24-DATE 40 0 MAY 41-DATE	JUN 25-DEC 40 0 MAY 41-DATE	1957	37.09	USED	
									0.00		

Station located at State Highway 20 Bridge, 3.0 mi. W of Colusa.

0 - Irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	33045	KNIGHTS LANDING, TRIBUTARY TO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	290	511	391	194	427	252				26	451	14	1
2	282	502	431	291	42	53				4			2
3	293	523	374	214	71	65				11			3
4	191	520	493	19	0.1	512							4
5	185	355	37	190	0.1	50			13	1	34	1	5
6	149	325	300	142	119	5.5			15	4	4	1	6
7	151	113	300	111	0	5.6							7
8	152	134	530	599	3.1								8
9	116	177	574	300	0.0	0.0				2	1	0.0	9
10	133	124	591	0.0	3.0	0.0				1	1	0.0	10
11	107	113	204	377	0.1	0.0				4	0.0	0.0	11
12	130	127	220	39	0.0	0.0						1	12
13	130	122	699	171	0.1	0.0	40			5	47	42	13
14	113	89	270	97	0.0	0.0	12			50	1	1	14
15	112	127	237	0	0.0	0.0	400	5.8		4	44	14	15
16	77	110	142	74	0.0	0.0		59		100		12	16
17	59	56	82	79	0.0	0.0	25	0.1					17
18	43	12	48	127	0	0.0	51	34			0	12	18
19	2	2	187	143	0.1	0.0	59	113		1	122	0	19
20	79	11	13	745	0.0	0.0	50			12	14	0	20
21	151	107	151	749	0.0	0.0	507	711			152		21
22	137	186	133	29	0.0	0.0	20	757		4	174		22
23	173	174	132	445	0.0	0.0	24	750	444	27	1		23
24	149	374	133	559	0.0	0.0	24	50	4.4	674	144		24
25	174	409	105	477	0.0	0.0	21	0.6	243	77	137	0.0	25
26	175	409	17	432	0.0	0.0	0.0	762	343	0.1	171	0.0	26
27	172	409	4	269	0.0	0.0	0.0	77	414	11	1	40	27
28	302	371	335	70	0.0	0.0	0.0	774	357	47	129	0.0	28
29	404	409	71	0.0	0.0	0.0	1	472	330	409	124	0.0	29
30	477	432	322	0.0	0.0	0.0	0.0	391	272	414	137	31	30
31	442		730	21	0.0	0.0		230		634	140		31
MEAN	182	204	279	272	74.3	110	134	415	191	5.84	57	117	MEAN
MAX.	498	729	730	749	427	673	54	705	444	5	174	111	MAX.
MIN.	43	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1	0.0	0.0	MIN.
AC. FT.	11160	15720	17000	17750	4120	7117	974	25500	11550	5100	700	600	AC FT.

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MINIMUM DISCHARGE	TOTAL ACRE FEET
182	749	0.1	17750
DISCHARGE	NA	DISCHARGE	ACRE FEET
	29.36	20.70	17750
	2	1	
	14	27	
	1130	0415	

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
38 47 58	121 43 27	SW14 11N 2E	N.A.	36.8	2/10/42	MAY 24-OCT 39 JAN 40-DATE	MAY 24-OCT 39 JAN 40-DATE	1924	0.00	USED	
Station located at Knights Landing Outfall Gates, 0.3 mi. W of Knights Landing. Tributary to Sacramento River. Flow regulated by outfall gates.											
0 - Irrigation season only.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	AC2950	RECLAMATION DISTRICT 787 DRAINAGE TO COLUSA BASIN DRAIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN MAX MIN AC FT	0.0 0.0 0.0	0.0 0.0 0.0	0.1 7.0 0.0	0.0 0.0 0.0	18 1000 0.0	3.3 201 0.0	0.0 0.0 0.0	12 738 0.0	1.4 82 0.0	0.0 0.0 0.0	4.8 297 0.0	11 637 0.0	MEAN MAX MIN AC FT

WATER YEAR SUMMARY

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW
- E AND *

MEAN DISCHARGE	DISCHARGE NR	MAXIMUM GAGE HT	MO	DAY	TIME	DISCHARGE NR	MINIMUM GAGE HT	MO	DAY	TIME	TOTAL ACRE FEET
4.0											2902

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D S E M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE
			CF5	GAGE HT				FROM	TO	
38 48 03	121 43 28	NW14 11N 2E	N.A.		JAN 40-DATE					
Plant located 0.3 mi. W of knights Landing. This is drainage returned by pumping between Knights Landing Outfall Gates and Sacramento River. Daily distribution of flows is not available since the plant operates on an automatic float switch.										

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	AD2930	FREMONT WEIR SPILL TO YOLO BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					0	0							1
2					0	0							2
3					0	0							3
4					0	0							4
5					0	0							5
6					0	0							6
7					0	0							7
8					0	0							8
9					0	0							9
10					0	0							10
11	N	N	N	N	0	0	N	N	N	N	N	N	11
12	O	O	O	O	0	0	O	O	O	O	O	O	12
13					112	0							13
14					9,450	0							14
15	F	F	F	F	16,100	0	F	F	F	F	F	F	15
16	L	L	L	L	18,000	0	L	L	L	L	L	L	16
17	O	O	O	O	8,550	0	O	O	O	O	O	O	17
18	W	W	W	W	1,650	0							18
19					0	0	W	W	W	W	W	W	19
20					0	0							20
21					0	19							21
22					0	7,670							22
23					0	19,800							23
24					0	22,900							24
25					0	26,600							25
26					0	26,000							26
27					0	23,200							27
28					0	19,800							28
29						11,800							29
30						4,520							30
31						950							31
MEAN					1,924	5,266							MEAN
MAX.					18,000	26,600							MAX.
MIN.					0	0							MIN.
AC. FT.					106,830	323,820							AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
595	31,300	35.28	3	25	1600						430,650

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD		DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT			DATE	FROM		
			294,000		12-23-1955	JAN 1935-DATE				
See Sacramento River at Fremont Weir, East End, and Sacramento River at Fremont Weir, West End, for stage records and locations. Elevation of weir crest is 33.50 feet, USED datum; length of crest is 9,120 feet.										

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR STATION NO. STATION NAME													
1975 402972 BUTTE SLOUGH NEAR MERIDIAN													
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	143	530	653	492	267	1440	5200	700	901	355	398	544	1
2	188	507	660	418	622	1330	3470	571	958	334	405	553	2
3	174	512	727	359	1310	1340	2420	430	330	316	424	575	3
4	216	411	1400	301	1480	1350	2340	417	909	336	430	505	4
5	263	329	1450	262	1480	1280	2470	365	402	410	438	532	5
6	273	271	1400	257	2430	1420	1440	342	911	441	435	504	6
7	255	235	1270	307	2400	1470	1470	294	941	445	442	443	7
8	249	239	1400	698	2400	1440	1700	292	916	430	446	409	8
9	251	247	990	910	3420	7330	1410	347	854	405	439	439	9
10	209	364	916	1400	8470	14300	14300	399	776	407	402	454	10
11	242	477	830	770	11700	14400	1440	460	702	409	396	462	11
12	249	520	754	572	9450	14400	1440	550	770	416	384	446	12
12	298	536	702	468	9400	14900	1390	624	455	432	388	459	13
14	318	543	669	413	19400	6080	1340	620	465	432	400	467	14
15	328	543	662	369	30400	5410	1300	572	410	429	406	462	15
16	316	544	644	340	26100	4410	1420	562	409	424	421	453	16
17	276	540	634	307	14400	3270	1420	625	404	456	426	434	17
18	228	551	597	266	11400	2430	1470	723	473	479	394	396	18
19	211	507	544	265	7470	5390	1440	826	477	481	426	366	19
20	210	582	342	295	6400	14000	1400	1400	478	473	442	355	20
21	243	594	340	341	4440	24500	1440	1480	466	432	470	349	21
22	243	644	345	348	3440	27100	948	1430	443	416	440	341	22
23	314	623	312	347	2490	34500	842	1470	400	399	447	341	23
24	313	635	344	302	2420	34500	799	1400	374	394	434	318	24
25	248	631	342	375	2430	24600	824	1400	375	395	433	295	25
26	221	638	296	355	2400	24200	947	1420	377	398	435	249	26
27	224	659	267	321	1420	24500	1400	1410	361	391	440	242	27
28	247	666	352	284	1400	27400	1420	966	365	391	443	249	28
29	266	655	1400	255	14400	400	984	984	374	351	448	258	29
30	352	654	946	246	14500	403	979	979	369	394	471	261	30
31	434	650	245	245	4340	4340	971	971	408	408	514	261	31
MEAN	267	517	711	407	6460	14654	14557	723	598	409	429	408	MEAN
MAX	434	666	1400	1400	30400	34500	54200	14230	961	481	514	585	MAX
MIN	188	235	267	245	262	1420	799	292	369	316	384	242	MIN
AC FT	10467	30813	43728	25047	360547	776115	42690	44473	35591	25148	26424	24303	AC FT

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY

- E AND *

MEAN		MAXIMUM				MINIMUM				TOTAL	
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
211245	36900	55.18	63	24	1445	13240	40.00	09	22	1445	1529347

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R N D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
39 10 20	121 54 02	NE7 15N 1E	150,000	61.64	1/26/70	JAN 39-DATE	NOV 34-MAY 37 #	1934	0.00	USED	
Station located on right bank 0.5 mi. upstream from Farnlan Road 1.7 mi. NE of Meridian. Tributary to Sutter Bypass. Flow affected by gate operation. Flow during summer months is made up almost entirely of return water from lands irrigated by Feather River diversions. During flood periods, Sacramento River water enters Butte Basin above Butte City from bank spill and spill over Moulton and Colusa Weirs.											
θ - Flood season only.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

TABLE B-5 (CONT.)													WATER YEAR		STATION NO		STATION NAME	
DAILY MEAN DISCHARGE													1975		14562		WADSWORTH CANAL STATION 2007	
(IN CUBIC FEET PER SECOND)																		
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY					
1	175	155	1	35	145	14			41	2	74	14	1					
2	154		21	33	145	5			114	13	4	13	2					
3	11	2		33	141	5	1					17	3					
4	11	44	49	25	240	16	131	144	1	9		10	4					
5	14	41	43	28	18	14	105	46	110	14	14	142	5					
6	113	34	34	33	143	11	14			14	139	139	6					
7	14	34	24	34	14	21	14			14	13	13	7					
8	1	42	31	33	122	421	14	1		4	4	1	8					
9	14	43	31	33	113	324	13			120	14	220	9					
10	13	4	21	3	439	28	14			14		129	10					
11	14	42	30	34	324	144	15			14	4	24	11					
12	14	44	29	39	11	144	144	144	4	14	14	23	12					
13	14	3	2	25	1330	144	11	114	4		14	23	13					
14	153	30	22	2	1020	157	104	105	4	14	4	21	14					
15	155	32	22	21	59	133	10	14	41	4	14	221	15					
16	152	2	14	25	433	121	4	121	3	129	4	214	16					
17	149	24	24	24	241	139	14	129	14	139	114	221	17					
18	150	22	25	21	214	13	14	139	14	14	14	222	18					
19	14	24	24	25	239	130	14	127	4	14	214	214	19					
20	152	26	34	25	193	11	14	34	4	14	14	214	20					
21	14	25	22	24	14	23	123	14	4	14	13	214	21					
22	203	22	19	24	11	31	14	14	14	14	14	222	22					
23	212	19	21	23	135	211	114	1	14	14	14	214	23					
24	214	19	21	30	3	250	131	130	104	14	143	14	24					
25	220	20	21	2	32	22	121	121	14	114	14	14	25					
26	214	20	19	24		14	114		14	14	14	135	26					
27	222	21	20	21	14	14	11	14	14	14	14	137	27					
28	215	21	15	23	14	14	14	137	14	14	14	14	28					
29	214	20	1	25	141		131			143	144	144	29					
30	255	14	13	21	119		14	14		149	153	153	30					
31	229		139	2	14		14	14		143			31					
MEAN	14	34	33	24	34	14	11	13	14	14	121	14	MEAN					
MAX	215	155	109	30	1230	131	124	315	13	129	202	245	MAX					
MIN.	14	1	12	4	14	1	1	1	1	3	5	139	MIN					
AC FT	11330	2134	2015	1452	19250	10350	1034	451	451	543	144	1117	AC FT					

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW
- E AND *

MEAN		MAXIMUM				MINIMUM				TOTAL	
DISCHARGE	14	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME
14		NA					NA				
										ACRE FEET	
										20	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		REF DATUM
			CF5	GAGE HT	DATE				FROM	TO	
39 09 12	121 44 00	NE15 15N 2E	N.A.	53.62	1/26/70	MAR 61-DATE	MAR 61-DATE		1961		0.00 USED

Station located at South Butte Road Bridge, 0.9 mi. E of Sutter. Tributary to Sutter Bypass. This station and one 2.2 mi. downstream are used to determine the slope for rating of canal. This flow and flow of Butte Slough to Sutter Bypass make up entire Feather River contribution to the Sutter Bypass. Records for January 1939 to March 1961 previously published as Wadsworth Canal at Butte House Road.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A05922	RECLAMATION DISTRICT 1660 DRAINAGE TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.0	0.0	0.0	19	0.0	45	11	0.0	3.8	24	17	27	1
2	1.6	0.0	0.0	1.8	56	43	56	1.0	18	38	17	28	2
3	2.4	0.0	0.0	0.0	86	41	37	0.0	13	23	17	30	3
4	2.4	0.0	0.0	0.0	84	36	45	0.0	13	14	26	28	4
5	1.6	0.0	34	0.0	61	34	43	0.0	14	14	24	28	5
6	0.7	0.0	18	0.0	60	36	40	0.0	7.1	15	24	20	6
7	0.7	0.0	15	0.0	53	60	37	16.0	7.0	33	24	23	7
8	1.2	0.0	17	0.0	66	79	37	0.0	42	27	24	25	8
9	1.2	0.0	16	0.0	77	55	33	0.0	26	23	24	16	9
10	0.7	0.0	15	0.0	74	40	33	0.0	16	24	20	35	10
11	1.2	0.0	14	0.0	65	40	27	1.0	22	24	23	28	11
12	0.7	0.0	14	0.0	70	15	24	0.0	27	13	25	28	12
13	0.7	0.0	2.9	0.0	73	65	29	7.0	11	25	24	28	13
14	0.0	0.0	0.0	0.0	69	47	10	6.7	33	23	13	28	14
15	0.7	0.0	0.0	0.0	48	53	25	6.8	15	23	20	27	15
16	0.7	0.0	0.0	0.0	54	27	23	7.5	24	23	31	13	16
17	0.7	0.0	0.0	0.0	62	24	11	7.3	22	24	25	0.6	17
18	2.0	0.0	0.0	0.0	46	40	16	11	22	38	30	10	18
19	2.0	0.0	0.0	0.0	47	50	14	0.6	11	21	20	11	19
20	2.4	0.0	0.0	0.0	36	54	9.3	30	5.4	23	35 *	10	20
21	2.4	0.0	0.0	0.0	62	50	0.0	33	9.5	30	40	0.8	21
22	1.6	0.0	0.0	0.0	71	64	0.0	11	15	23	37	0.0	22
23	0.0	0.0	0.0	0.0	72	63	0.0	6.3	15	24	36	6.2	23
24	0.0	0.0	0.0	0.0	76	47	0.0	7.0	44	14	34	5.1	24
25	0.0	0.0	0.0	0.0	72	57	0.0	23	33	23	34	5.1	25
26	0.7	0.0	0.0	0.0	58	40	0.0	10	18	6.4	34	5.2	26
27	0.4	0.0	0.0	0.0	57	51	0.0	27	26	8.0	37	4.3	27
28	0.0	0.0	0.0	0.0	50	36	0.0	27	24	22	35	3.6	28
29	0.7	0.0	0.0	0.0	43	0.0	0.0	27	24	20	33	2.0	29
30	0.0	0.0	0.0	0.0	52	0.0	0.0	17	24	15	30	2.8	30
31	0.0	0.0	0.0	0.0	45	45	0.0	8.8	0.0	9.4	22	0.0	31
MEAN	1.0	0.0	4.7	0.7	60.0	47.1	19.0	0.8	10.5	21.8	27.6	17.7	MEAN
MAX.	2.4	0.0	34	19	86	79	56	33	44	39	40	35	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0	3.8	6.4	13	2.8	MIN.
AC FT	62	0.0	280	41	3380	2904	1129	602	1162	1340	1697	1024	AC FT

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR

OBSERVATION OF NO FLOW

- E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	ACRE FEET
18.8	NR					NR					13620

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 01 57	121 44 33	NW27 14N 2E	N.A.			MAY 54=DATE				0.00	USED
Plant located 9.9 mi. SW of Yuba City, 8.5 mi. E of Grimes. This is drainage returned by gravity.											

Plant located 9.9 mi. SW of Yuba City, 8.5 mi. E of Grimes. This is drainage returned by gravity.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO	STATION NAME
1975	A02563	RECLAMATION DISTRICT 1600 DRAINAGE TO TISDALE BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.5	15	11	0.0	28	3.0	2	7.1	23	1	—	—	1
2	7.8	13	10	36	47	0.0	22	1	48	1.4	—	—	2
3	10	14	11	16	0.0	0	12	26	36	1.6	—	—	3
4	7.8	11	0.0	14	49	0.0	0.6	32	21	1.8	1	—	4
5	7.8	9.5	0.0	13	33	0.0	0.0	47	32	4.7	—	—	5
6	9.5	11	0.0	14	23	0.0	0.0	—	21	1.0	—	—	6
7	9.0	11	0.0	11	24	—	3.0	39	40	2	1.1	—	7
8	9.0	13	0.0	13	28	2.1	0.0	—	44	4.1	—	4.9	8
9	8.4	11	0.0	12	47	6.6	0.0	46	43	4.4	—	2	9
10	9.0	6.3	0.0	11	46	4.5	0	42	37	4	1.0	—	10
11	9.0	11	0.0	11	44	46	0	48	39	3.6	4.9	—	11
12	9.5	11	0.0	15	—	46	0.0	50	51	46	—	1.1	12
13	10	11	0.0	25	109	46	0.0	48	43	—	2.7	—	13
14	9.0	11	11	16	112	46	0.0	43	36	46	4.2	—	14
15	9.0	0.0	12	15	64	47	0.0	47	56	50	4.3	—	15
16	10	11	12	14	51	47	0.0	47	—	1.2	4	3.9	16
17	11	11	15	15	46	47	0.0	46	—	1.1	4	3.9	17
18	9.5	11	13	15	46	22	0.0	46	—	0.0	—	—	18
19	8.4	11	12	15	47	17	0.0	43	47	4.4	—	3.5	19
20	9.0	11	12	15	48	17	0.0	58	50	4.7	1	2.0	20
21	8.4	10	11	14	24	45	17	50	0.1	58	4.4	—	21
22	8.4	11	12	14	0.0	45	20	51	34	46	4.4	2.9	22
23	10	11	11	14	0.0	44	27	8.4	66	4	4	3.7	23
24	9.0	11	11	14	0.0	44	32	1.3	73	3.0	4	3.1	24
25	11	11	11	14	0.0	44	35	1.4	50	—	4	3.1	25
26	10	11	11	13	0.0	44	35	1.2	37	—	4.4	3.3	26
27	7.8	12	11	13	0.0	43	30	2.5	67	39	4	1.9	27
28	12	11	22	13	0.0	44	22	1.8	62	44	4.1	2.8	28
29	11	12	16	13	30	30	11	4.8	55	34	3.6	2.7	29
30	11	12	16	12	33	33	4.4	31	52	4.0	4.1	2.0	30
31	13	—	0.0	12	22	22	—	32	32	33	4.4	—	31
MEAN	9.3	10.9	8.1	14.3	35.5	30.3	9.6	43.7	47.1	47.4	46.1	34.8	MEAN
MAX.	13	15	22	36	112	64	35	68	60	66	47	2	MAX.
MIN.	4.5	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.1	0.0	0.0	0.0	MIN.
AC. FT.	573	646	408	877	1974	1962	579	2490	2420	2705	2522	1775	AC. FT.

WATER YEAR SUMMARY

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — EAND *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	
31.6	NR					NR					—

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC. T. & R. MOB & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		REF DATUM
			CF5	GAGE HT	DATE				FROM	TO	
39 01 44	121 46 53	SE30 14N 2E	N.A.			JAN 25-DATE					
Plant located on north levee of Tisdale Bypass, 2.1 mi. E of Tisdale Weir, 6.8 mi. SE of Grimes. This drainage returned by pumping and gravity.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

TABLE B-5 (CONT.) DAILY MEAN DISCHARGE (IN CUBIC FEET PER SECOND)													WATER YEAR		STATION NO.		STATION NAME	
													1975		A02926		RECLAMATION DISTRICT 1500 DRAINAGE TO SACRAMENTO SLOUGH	
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY					
1	53	41	105	73	264	151	288	174	498	396	371	584	1					
2	53	0.0	72	74	1110	160	230	199	453	351	359	457	2					
3	37	61	96	74	491	128	248	369	452	335	446	507	3					
4	0.0	25	108	40	553	120	248	222	448	309	400	502	4					
5	40	25	91	74	457	161	110	311	425	336	392	523	5					
6	53	25	71	74	346	165	146	339	424	97	404	523	6					
7	57	29	50	37	317	172	154	267	456	319	384	736	7					
8	0.0	25	64	40	382	327	143	377	537	325	425	455	8					
9	73	29	0.0	80	655	321	135	344	452	425	412	458	9					
10	0.0	80	40	89	372	290	127	369	404	322	458	523	10					
11	24	40	32	73	442	390	128	480	396	303	412	515	11					
12	0.0	45	61	100	584	208	128	388	346	253	433	458	12					
12	65	29	102	08	708	317	128	388	400	400	421	358	13					
14	0.0	0.0	61	00	800	334	120	388	261	402	371	309	14					
15	31	0.0	97	74	688	300	124	501	576	534	437	333	15					
16	0.0	29	45	74	616	311	112	474	410	326	371	252	16					
17	12	106	45	74	423	261	00	400	407	425	441	192	17					
18	40	49	33	74	288	303	97	563	423	345	462	249	18					
19	41	57	65	74	406	238	97	517	431	358	456	382	19					
20	90	65	65	74	262	271	130	836	346	363	435	325	20					
21	29	65	65	74	292	402	97	745	421	384	460	187	21					
22	28	65	82	74	239	480	114	436	462	454	451	163	22					
23	28	40	33	40	244	526	106	457	429	440	378	143	23					
24	28	40	0.0	40	236	459	245	378	495	300	513	82	24					
25	0.0	57	66	40	153	475	107	670	528	412	460	119	25					
26	40	57	33	57	251	332	89	543	528	363	400	90	26					
27	08	40	65	40	143	304	292	462	400	443	460	82	27					
28	20	40	57	40	222	343	250	523	483	384	525	65	28					
29	20	50	15	40	287	136	136	462	432	391	510	74	29					
30	20	56	85	40	267	182	182	462	454	371	458	60	30					
31	29	73	73	40	270	270		462		367	588		31					
MEAN	34.4	43.6	54.8	67.4	434	204	161	430	440	356	438	324	MEAN					
MAX	95	100	155	100	1110	526	292	836	576	462	588	736	MAX					
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.					
AC. FT	2112	2592	3084	4145	24120	18000	9564	20000	26710	21020	26020	10270	AC. FT					

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW
- E AND *

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET	
282		NR					NR					186400	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	FROM	TO	ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE							
38 47 05	121 39 18	NE20 11N 3E	N.A.			APR 30-OCT 38 "						
JAN 38-DATE												
Plant located on west levee of Sutter Bypass, 3.7 mi. SE of Knights Landing. This is drainage returned by pumping and gravity.												
# - Irrigation season only.												

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO	STATION NAME
1970	4309	SACRAMENTO RIVER AT KNIGHTS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	15	3		100	44	250	F	100	100	1	40	150	1
2	520			200	130	100	F		150	100	100	150	2
3	400	90		100	100	210	F	50	100	100	100	100	3
4	400	30		50	230	190	400	100	100	100	100	100	4
5	520			50	410	100	500	100	100	100	100	100	5
6		40	1100	50	440	100	50	100	100	100	100	100	6
7	500	400	2200	40	100	100	100	100	100	100	100	100	7
8	60	400	2000	40	200	1200	300	100	100	100	100	100	8
9	550	400	1510	400	100	100	290	100	100	100	100	100	9
10	480	390	1100	350	F	F	100	100	100	100	100	100	10
11	500	310	1130	1100	F	F	100	100	100	100	100	100	11
12	500	450	350	1100	F	F	100	100	100	100	100	100	12
13	50	50	50	910	F	F	2100	70	100	100	100	100	13
14	60	40	40	710	F	F	2000	90	100	100	100	100	14
15	550	400	700	40	F	F	100	1100	1100	100	100	100	15
16	40	510	30	500	F	F	100	100	100	100	100	100	16
17	500	50	50	550	F	F	1500	100	100	100	100	100	17
18	500	40	50	570	F	F	150	100	100	100	100	100	18
19	430	500	40	511	F	F	1510	1510	100	100	100	100	19
20	40	50		505	F	F	1510	1500	100	100	100	100	20
21	40	50	50	50	F	F	100	230	100	100	100	100	21
22	405	50	50	50	F	F	1300	200	100	100	100	100	22
23	510	50	40	50	F	F	1150	200	100	100	100	100	23
24	550	50	30	50	100	F	1150	210	100	100	100	100	24
25	50	40	350	50	500	F	100	200	100	100	100	100	25
26	40	50	40	50	500	F	900	200	100	100	100	100	26
27	40	50	40	50	400	F	100	100	100	100	100	100	27
28	30	50	40	50	300	F	100	100	100	100	100	100	28
29	50	50	50	50	50	F	110	100	100	100	100	100	29
30	40	50	50	50	50	F	110	100	100	100	100	100	30
31	50		1010	50		F	100						31
MEAN	50	50	50	50	NR	NR	NR	1300	1300	900	1110	1200	MEAN
MAX	50	50	2000	1100	NR	NR	NR	2700	100	1130	1400	1300	MAX
MIN	30	310	10	40	NR	NR	NR	700	900	500	40	50	MIN
AC FT	32330	2000	1050	4000	NR	NR	NR	3700	1000	6300	1000	1000	AC FT

WATER YEAR SUMMARY

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

MEAN	DISCHARGE	MAXIMUM	DISCHARGE	GAGE HT	MO	DAY	TIME	MINIMUM	DISCHARGE	GAGE HT	MO	DAY	TIME	TOTAL
NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD				DATUM OF GAGE		
LATITUDE	LONGITUDE	1 SEC T & M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	FROM	TO	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE							
38 46 52	121 38 27	SE21 11N 3E	N.A.			JUN 24-OCT 39 JAN 40-DATE	APR 45-DEC 46 APR 47-DATE					
Station located 0.5 mi. above mouth, 4.6 mi. SE of Knights Landing. During low flows this represents combined flows of Sutter Bypass and Reclamation District 1500. During high flows (above gage ht. 26.0 ±) the slough is entirely submerged as it lies within the bypass area. Sharp rises in the Sacramento River cause zero or negative flow. 0 - Irrigation season only. F - Flooded												

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

STATION NO.													STATION NAME	
WATER YEAR		STATION NO.		STATION NAME										
1975		455420		FEATHER RIVER, MIDDLE FORK, NEAR PORTOLA										
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY	
1	33	79	58	28	34	493	493	504	275	113	26	54	1	
2	34	81	57	71	29	841	472	504	276	100	28	50	2	
3	34	81	62	247	24	1120	436	520	288	90	29	49	3	
4	35	80	77	208	19	1020	411	591	284	82	30	48	4	
5	35	78	85	167	15	798	421	650	258	75	32	47	5	
6	36	75	114	169	15	700	465	663	227	71	34	49	6	
7	37	73	110	190	17	770	459	597	222	67	36	50	7	
8	40	72	62	238	21	947	454	518	217	126	36	47	8	
9	41	70	78	247	38	1270	445	477	209	61	28	47	9	
10	41	69	66	331	36	1080	428	471	199	51	35	54	10	
11	42	71	61	319	46	698	443	482	185	47	36	56	11	
12	42	72	63	335	51	491	444	513	175	40	37	60	12	
13	42	71	64	276	83	406	435	541	170	35	36	59	13	
14	42	71	63	244	143	367	453	629	168	35	33	61	14	
15	41	65	66	231	176	362	469	652	165	34	31	60	15	
16	42	50	67	226	214	391	471	681	165	33	30	60	16	
17	43	50	64	226	258	427	440	687	168	35	30	59	17	
18	44	51	67	230	274	453	410	66	168	35	33	57	18	
19	44	52	53	239	249	573	396	641	169	35	43	58	19	
20	44	52	51	245	229	669	402	625	162	35	46	58	20	
21	44	61	51	246	270	667	416	674	160	35	47	57	21	
22	44	68	46	245	293	323	428	713	154	33	50	57	22	
23	45	75	48	248	252	411	447	666	153	32	59	55	23	
24	45	84	44	246	205	568	495	635	159	32	68	54	24	
25	46	89	33	245	187	1330	628	587	160	30	85	54	25	
26	44	81	31	244	208	2580	814	544	165	28	99	54	26	
27	53	75	34	714	242	2400	859	521	164	27	109	54	27	
28	62	72	31	212	314	852	701	473	152	24	108	54	28	
29	65	67	35	195	67	717	587	379	138	22	98	53	29	
30	69	61	34	189	598	532	334	126	22	76	50	20	30	
31	75		28	155	503		303		24	62		31	31	
MEAN	44.8	69.9	58.2	224	140	802	491	562	189	48.7	49.4	54.2	MEAN	
MAX	150.0	89.0	114	379	314	2580	859	713	288	126	109	61.0	MAX	
MIN	33.0	50.0	28.0	24.0	15.0	323	396	303	126	22.0	26.0	47.0	MIN	
AC FT	2753	4157	3580	13817	7813	49339	29244	34562	11248	2993	3035	3223	AC FT	

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- E AND *

WATER YEAR SUMMARY

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET	
229.0		3120	7.42	13	27	0145	14.0	2.10	02	05	0400	165784	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		ZERO ON GAGE	REF DATUM
			CF5	GAGE HT	DATE				FROM	TO		
39 49 07	120 26 37	NE 29 23N 14E	9,300	10.34	3-18-1967	NOV 1955-DATE	NOV 1955-DATE		1955	1965	0.00	LOCAL
									1965		1.00	LOCAL

Station located south of State Highway 70, 1.8 miles northeast of Portola. Stage-discharge relationship at times affected by ice.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	454455	RED CLOUD R. CREEK ABOVE 488FY BRIDGE DAM SITE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.1	3.8	3.1	5.5	7.1	39	116	594	121	6.4	2.6*	2.0	1
2	2.1	3.0	3.2	6.1	4.4	52	113	704	115	6.0*	2.6	1.9*	2
3	2.3	2.8	4.9	6.5	4.3	44	112	76	47	4.9	2.5	1.9	3
4	3.5	2.8	12	6.9	6.9	43	104	556	79	4.8	2.4	1.9	4
5	2.6	2.7	4.5	8.3	6.8	41	94	410	68	5.5	2.3	1.9	5
6	2.2	2.7	4.0	9.6	7.1	46	85	432	61	5.1	2.1	1.9	6
7	2.1	2.4	3.6	9.0	6.5	53	83	549	55	5.0	2.1	1.8	7
8	2.6	3.2	2.9	9.4	6.5	59	76	664	46	4.8	2.1	1.7	8
9	3.2	3.0	2.9	9.1	6.8	72	74	767	39	4.4	1.9	1.9	9
10	2.5	2.8	3.0	7.2	7.7	57	81	722	33	4.0	2.0	3.2	10
11	2.3	2.8	3.2	5.5	6.8	45	87	706	29	3.7	2.0	3.6	11
12	2.2	2.8	3.5	4.9	6.1	43	104	644	26	3.5	2.0	3.5	12
13	2.2	2.8	3.1	4.6	10.6	33	156	611	23	3.4	1.9	3.0	13
14	2.2	2.9	3.3	4.8	10.7	29	220	625	14	3.4	1.9	2.7	14
15	2.2	2.8	3.3	5.0	7.7	22	190	562	6.8	3.4	1.9	2.7	15
16	2.3	2.7	3.0	5.4	6.9	21	167	461	12	3.8	1.8	2.5	16
17	2.2	2.7	2.6	5.1	5.4	19	159	430	13	4.0	1.9	2.2	17
18	2.2	3.1	2.2	5.2	6.8	20	196	414	14	3.9	2.5	2.3	18
19	2.3	2.8	2.3	5.0	6.4	42	258	409	20	3.8	4.2	5.1	19
20	2.3	2.8	2.6	5.0	4.8	52	248	366	17	3.6	3.9	4.2	20
21	2.2	6.0	2.3	4.9	3.6	40	417	228	13	3.3	3.8	3.1	21
22	2.2	5.5	2.3	4.8	3.7	69	442	240	12	3.1	3.6	3.2	22
23	2.4	3.5	1.5	4.8	3.4	58	437	230	10	3.0	3.1	3.2	23
24	2.3	3.5	1.7	4.9	4.1	59	636	227	11	2.9	2.6	3.2	24
25	2.4	3.8	1.7	4.8	1.2	120	559	217	13	2.7	2.5	3.2	25
26	2.5	3.5	2.3	4.6	4.5	118	377	191	11	2.5	2.3	3.2	26
27	2.6	3.4*	2.1	3.4	1.0	109	362	176	9.1	2.3	2.3	3.2	27
28	4.4	3.3	3.7	3.9	1.5	100	421	162	8.3	2.4	2.2	3.2	28
29	3.4	2.9	4.1	4.0		95	466	149	7.3	2.5	2.3	3.6	29
30	2.9	3.0	4.8	3.8		92	530	134	6.8	2.6	2.1	3.7	30
31	3.6		4.5	4.5		113		126		2.6	2.1		31
MEAN	2.5	3.2	3.1	5.7	5.8	58.2	247	434	33.0	3.8	2.4	2.8	MEAN
MAX	4.4	6.0	12.0	9.6	10.7	120	636	780	121	6.4	4.2	5.1	MAX
MIN	2.1	2.7	1.5	3.4	7.1	14.0	74.0	126	6.8	2.3	1.8	1.7	MIN
AC FT.	156	191	206	350	2490	3590	14717	26729	1964	237	150	168	AC FT.

WATER YEAR SUMMARY

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF FLOW MADE THIS DAY
 - - EAND -

MEAN DISCHARGE	DISCHARGE	MAXIMUM GAGE HT	MO	DAY	TIME	MINIMUM GAGE HT	MO	DAY	TIME	TOTAL ACRE FEET
71.1	476	7.62	NOV	02	2015	0.0	DEC	08	23 2145	51439

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R MOB & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
39 58 05	120 31 09	SE 4 24N 13E	3,460 E	11.36	12-22-1964	DEC 1962-DATE	DEC 1962-DATE	1962		LOCAL

Station located above bridge on Forest Service road, 13 miles east of Genesee, 11 miles north of Portola. Stage-discharge relationship at times affected by ice. Drainage area is 87.9 square miles. Station discontinued October 1, 1975.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A54750	LAST CHANCE CREEK AT DIXIE REFUGE DAMSITE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

DATA INSUFFICIENT TO COMPUTE DISCHARGE

WATER YEAR SUMMARY

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW
- E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
40 05 28	120 21 46	SE 23 26N 14E	1,570 E	7.42	12-22-1964	OCT 1964-DATE	JULY 1963-DATE	1963	1968	0.00	LOCAL
Station located on Forest Service road, 5.7 miles south of Milford. Tributary to Indian Creek via Red Clover Creek. Stage-discharge relationship at times affected by ice. Maximum discharge listed is at site and datum then in use. Prior to October 2, 1968, station located 0.8 mile downstream. Station discontinued October 1, 1975.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR		STATION NAME											
1975		INDIAN CREEK NEAR TAYLORSVILLE											
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	47	71	66	62	104	315	538	1,600	1,350	210	64	69	1
2	47	70	66	64	104	374	513	1,800	1,230	195	69	69	2
3	47	70	73	155	176	409	515	2,200	1,170	185	72	65	3
4	49	68	134	208	188	488	491	2,100	1,110	177	71	63	4
5	50	67	112	190	206	396	460	1,670	1,070	166	71	63	5
6	50	65	88	180	194	398	418	1,44	1,030	154	70	63	6
7	50	65	82	182	87	481	382	1,700	1,000	143	68	63	7
8	50	63	76	205	90	641	340	2,020	1,090	133	68	62	8
9	51	63	72	232	179	627	349	2,340	946	123	68	61	9
10	51	63	73	194	199	530	370	2,600	828	117	68	66	10
11	51	63	71	197	167	453	370	2,790	751	114	67	71	11
12	51	63	75	188	206	382	397	2,780	732	109	67	69	12
13	51	64	87	180	613	370	545	2,790	682	105	68	72	13
14	51	65	82	179	431	373	831	2,800	649	99	66	74	14
15	52	65	86	176	291	305	772	2,870	617	98	65	68	15
16	52	65	79	175	244	300	762	2,670	572	101	65	66	16
17	52	65	78	174	204	284	634	2,400	527	97	65	64	17
18	52	64	72	170	188	273	649	2,300	477	96	72	64	18
19	52	64	69	170	199	423	901	1,920	475	93	88	64	19
20	53	66	69	168	227	540	913	1,630	448	88	86	63	20
21	54	92	70	168	196	494	1,320	1,490	407	84	82	62	21
22	54	102	69	168	182	360	1,480	1,510	370	81	82	62	22
23	54	83	63	157	183	397	1,460	1,490	341	79	78	62	23
24	55	75	59	162	179	420	1,690	1,380	331	77	75	62	24
25	57	76	72	170	178	900	1,560	1,350	323	74	74	62	25
26	56	74	71	170	179	771	1,410	1,330	299	72	72	62	26
27	55	72	75	171	198	692	1,250	1,320	273	70	71	62	27
28	70	69	71	179	291	566	1,480	1,310	255	67	69	63	28
29	69	67	59	174	159	504	1,600	1,120	237	64	69	66	29
30	68	66	72	159	159	484	1,600	1,310	223	63	69	68	30
31	69	68	68	175	155	554	1,600	1,340	223	64	70	63	31
MEAN	53.9	69.5	75.8	171	211	463	870	1,921	662	109	71.3	65.0	MEAN
MAX	70.0	102	134	232	613	900	1,690	2,870	1,350	210	88.0	74.0	MAX
MIN	47.0	63.0	60.0	62.0	87.0	273	349	1,310	223	63.0	64.0	61.0	MIN
AC FT	3312	4136	4659	10516	11758	28518	51769	110155	39398	6740	4381	3868	AC FT

E - ESTIMATE
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE 394.7	DISCHARGE 2870	GAGE HT 10.61	MO 05	DAY 15	TIME 0000	DISCHARGE 44.0	GAGE HT 4.17	MO 12	DAY 29	TIME 0945	ACRE-FT 287210

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM TO	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
40 02 54	120 48 55	NW 12 25N 10 E	30,200 E	10.65	2-1-1963	APR 45-AUG 54 * AUG 54-DATE	APR 45-AUG 54 * AUG 54-DATE	1954 1963	0.00 0.00	LOCAL LOCAL	
Station located 0.5 mile above Montgomery Creek, 2.3 miles southeast of Taylorsville. Maximum discharge listed at site and datum 1.2 miles downstream. Drainage area is 326 square miles.											
* - Maintained by watermaster service for irrigation season only.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A52250	FEATHER RIVER, WEST BRANCH, NEAR PARADISE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.8	11	1.6	6.2	216	406	514	524	1,140	119	3.5	2.1	1
2	1.8	2.7	1.6	5.3	458	649	463	622	1,040	103	2.7	2.2	2
3	1.8	1.8	176	4.3	173	364	460	810	958	91	2.5	1.7	3
4	1.8	1.7	650	4.4	234	460	452	812	849	82	2.2	1.5	4
5	1.8	1.6	113	4.5	115	417	445	624	896	73	2.0	1.4	5
6	1.8	1.5	43	84	112	487	394	552	965	60	1.9	1.4	6
7	1.7	4.7	23	152	265	1,020	361	588	847	49	1.7	1.3	7
8	1.7	15	16	547	856	2,030	371	698	762	41	1.7	1.1	8
9	1.7	2.7	9.5	189	1,950	1,440	342	760	718	32	1.7	1.1	9
10	1.9	1.9	7.5	83	977	947	339	827	671	25	2.0	1.2	10
11	1.9	1.9	6.0	50	546	706	328	936	564	23	6.7	1.3	11
12	1.8	1.8	7.7	38	884	265	344	1,040	518	24	5.2	1.4	12
13	1.7	1.7	37	32	3,130	492	370	1,140	471	21	1.9	1.3	13
14	6.0	1.6	12	28	1,300	431	439	1,240	522	17	1.5	1.3	14
15	58	1.6	12	26	726	401	370	1,250	549	18	1.4	1.2	15
16	31	1.6	10	25	510	434	325	1,120	516	58	1.4	1.2	16
17	27	1.6	8.9	25	375	384	289	1,170	471	28	1.4	1.1	17
18	28	5.4	6.7	24	300	818	276	1,270	388	23	17	1.1	18
19	3.8	5.1	4.9	30	397	2,150	279	1,280	319	21	30	1.2	19
20	1.5	2.6	3.9	30	586	1,330	289	1,110	276	17	15	1.2	20
21	1.3	75	4.0	28	372	944	336	847	235	13	6.0	1.2	21
22	1.2	71	8.7	27	291	799	371	863	234	12	15	1.2	22
23	1.2	12	3.8	25	249	636	373	908	235	11	6.6	1.1	23
24	1.2	4.4	2.1	23	273	774	1,260	1,010	261	10	3.1	1.2	24
25	1.2	7.4	2.6	26	284	2,710	1,250	981	249	9.1	2.2	1.2	25
26	1.3	7.8	2.1	33	284	1,400	797	931	206	7.6	1.8	1.2	26
27	1.6	3.6	78	19	290	960	639	999	183	6.4	7.1	1.2	27
28	28	2.1	85	11	323	743	592	1,030	169	6.5	3.7	1.3	28
29	8.0	1.9	21	16	629	568	568	1,110	138	15	2.0	1.3	29
30	2.4	1.8	13	8.2	593	570	570	1,120	132	9.9	1.7	1.3	30
31	8.4		8.7	14	589			1,160		5.4	1.5		31
MEAN	7.56	8.55	44.5	52.2	588	868	474	946	516	33.3	4.97	1.32	MEAN
MAX.	58	75	650	547	3,130	2,710	1,260	1,280	1,140	119	30	2.2	MAX.
MIN.	1.2	1.5	1.6	4.3	112	384	276	524	132	5.4	1.4	1.1	MIN.
AC.FT	465	509	2,740	3,210	32,680	53,370	28,180	58,180	30,710	2,040	306	78	AC.FT

WATER YEAR SUMMARY

E — ESTIMATED

NR — NO RECORD

* — DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

— E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
293	4,470	11.17	2	13	0630						212,500

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R N O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 47 12	121 33 42	SE 6 22N 4E	26,300	26.2	12-22-1964	OCT 1957-DATE	OCT 1957-DATE	1957		0.00	LOCAL
Station located 0.6 mile upstream from Griffin Gulch and 4.0 miles northeast of Paradise. Drainage area is 110 square miles.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A55100	FEATHER RIVER, MIDDLE FORK, NEAR MERRIMAC

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	198	361	327	274	693	1,780	2,320	2,810	5,260	1,090	358	298	1
2	198	309	321	269	795	2,390	2,200	3,030	4,910	1,030	356	283	2
3	200	292	525	268	588	2,680	2,130	3,840	4,720	984	354	275	3
4	206	285	1,180	427	654	2,600	2,070	4,180	4,590	948	343	275	4
5	202	284	652	506	553	2,390	1,970	3,430	4,600	909	333	271	5
6	201	281	505	657	539	2,330	1,860	3,140	4,620	881	322	263	6
7	203	313	463	933	655	2,830	1,800	3,140	4,310	856	317	263	7
8	212	352	452	1,690	1,100	4,490	1,730	3,360	3,770	822	319	259	8
9	232	308	422	985	2,830	4,170	1,690	3,760	3,450	827	321	255	9
10	239	290	389	790	2,120	3,520	1,740	4,160	3,230	771	313	255	10
11	231	283	377	788	1,460	2,820	1,730	4,710	3,060	728	296	317	11
12	223	279	384	788	1,620	2,250	1,750	5,050	2,960	700	295	302	12
13	216	279	455	735	4,790	1,980	1,860	5,240	2,880	662	288	292	13
14	216	277	412	677	3,310	1,780	2,130	5,730	2,820	630	287	285	14
15	216	275	394	643	2,010	1,700	2,080	5,860	2,740	626	284	287	15
16	216	271	381	627	1,590	1,680	1,940	5,340	2,620	672	279	284	16
17	212	262	377	614	1,340	1,630	1,830	5,460	2,440	633	270	279	17
18	212	295	366	615	1,230	1,910	1,770	5,700	2,150	606	358	279	18
19	212	296	353	627	1,430	3,690	1,790	5,970	1,910	578	433	279	19
20	214	272	343	633	1,850	3,800	1,800	5,560	1,760	552	417	276	20
21	216	465	347	640	1,490	3,090	2,030	4,560	1,700	531	360	273	21
22	215	656	351	640	1,320	2,620	2,270	4,250	1,630	509	379	267	22
23	215	435	319	636	1,260	2,120	2,260	4,440	1,550	484	351	267	23
24	216	384	270	643	1,190	2,410	3,380	4,820	1,590	465	321	263	24
25	218	443	290	653	1,130	6,850	4,670	4,990	1,500	448	317	266	25
26	220	434	312	684	1,140	5,920	3,480	4,670	1,360	429	320	261	26
27	229	387	395	667	1,200	5,440	3,160	4,770	1,270	407	328	258	27
28	425	364	376	576	1,490	4,060	3,000	4,900	1,230	394	335	260	28
29	380	369	320	608		2,820	2,830	4,990	1,150	380	340	265	29
30	290	338	299	542		2,590	2,800	4,960	1,140	371	333	263	30
31	330		316	577		2,570		5,150		367	315		31
MEAN	233	337	409	658	1,478	2,997	2,269	4,580	2,765	655	330	274	MEAN
MAX.	425	656	1,180	1,690	4,790	6,850	4,670	5,970	5,260	1,090	433	317	MAX.
MIN.	198	262	270	268	539	1,630	1,690	2,810	1,140	367	270	255	MIN.
AC FT.	14,310	20,030	25,140	40,490	82,070	184,300	135,000	281,600	164,600	40,250	20,320	16,300	AC FT.

WATER YEAR SUMMARY

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

MEAN DISCHARGE	DISCHARGE	MAXIMUM GAGE HT.	MO.	DAY	TIME	DISCHARGE	MINIMUM GAGE HT.	MO.	DAY	TIME	TOTAL ACRE FEET
1,415	8,500	11.55	3	25	1000						1,024,000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM TO	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
39 42 30	121 16 10	NE 2 21N 6E	86,200	26.50	12-22-1964	OCT 1951-DATE		1951		0.00	LOCAL
Station located 400 feet downstream from bridge on Millsap Bar Road, 500 feet downstream from Little North Fork, 4.5 miles southeast of Merrimac, and 20 miles northeast of Oroville. Altitude 1,560 feet. Drainage area is 1,062 square miles.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

TABLE B-5 (CONT.) DAILY MEAN DISCHARGE (IN CUBIC FEET PER SECOND)														WATER YEAR		STATION NO.		STATION NAME	
														1975		A56080		FEATHER RIVER, SOUTH FORK, AT PONDEROSA DAM	
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY						
1	60	61	0.0		0.0	120	568	484	345	0.0	214	250	1						
2	55	0.0	0.0		130	1.8	544	472	340	0.0	250	255	2						
3	97	0.0	11		14	221	538	484	340	0.0	255	260	3						
4	52	0.0	34		61	400	538	502	335	0.0	265	265	4						
5	68	0.0	0.0		0.2	310	606	484	330	0.0	218	265	5						
6	47	0.0	0.0		0.0	410	532	309	325	0.0	265	260	6						
7	84	0.0	0.0		0.0	410	526	405	325	0.0	241	255	7						
8	70	0.0	0.0		0.0	658	514	438	320	0.0	290	255	8						
9	67	0.0	0.0		397	388	508	438	315	0.0	290	260	9						
10	79	0.0	0.0	N	361	356	496	432	315	0.0	265	144	10						
11	60	0.0	0.0	O	33	490	508	449	310	0.0	241	265	11						
12	66	0.0	0.0		290	472	508	449	310	0.0	111	285	12						
13	64	0.0	0.0		1,730	466	508	444	315	0.0	250	290	13						
14	70	0.0	0.0		562	454	502	449	315	0.0	255	290	14						
15	65	0.0	0.0	F	160	460	490	454	315	0.0	245	290	15						
16	64	0.0	0.0	L	60	472	472	466	315	0.0	245	295	16						
17	54	0.0	0.0		20	454	460	466	315	0.0	245	300	17						
18	0.0	0.0	0.0	O	64	496	472	460	315	0.0	255	300	18						
19	8	0.0	0.0		320	606	460	454	300	0.0	260	300	19						
20	17	0.0	0.0	W	305	580	455	454	183	0.0	123	300	20						
21	0.0	0.0	0.0		449	562	449	444	0.0	0.0	236	300	21						
22	68	0.0	0.0		427	586	449	422	0.0	508	260	300	22						
23	60	0.0	0.0		444	532	449	400	0.0	295	260	300	23						
24	84	0.0	0.0		427	621	526	400	0.0	250	260	295	24						
25	90	0.0	0.0		416	1,660	606	394	0.0	246	265	295	25						
26	75	0.0	0.0		410	1,010	532	400	0.0	250	265	295	26						
27	68	0.0	0.0		229	745	490	400	0.0	223	255	295	27						
28	108	0.0	0.0		400	671	490	472	0.0	250	260	295	28						
29	96	0.0	0.0			638	484	388	0.0	250	260	280	29						
30	67	0.0	0.0			619	490	372	0.0	250	260	265	30						
31	106		0.0			580		350		250	255		31						
MEAN	63.2	2.03	1.45	0.0	275	531	506	433	209	89.4	246	277	MEAN						
MAX.	108	61	34	0.0	1,730	1,660	606	502	345	508	290	300	MAX.						
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	1.8	449	309	0.0	111	144	MIN.						
AC. FT.	3,890	121	89	0.0	15,290	32,630	30,090	26,650	12,460	5,500	15,110	16,470	AC. FT.						

WATER YEAR SUMMARY

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	ACRE FEET	
219												158,300	

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 32 52	121 18 11	SE 33 20N 6E	11,000	12.70	12-22-1964	JULY 1962-DATE	JULY 1962-DATE	1962	1967	0.00	LOCAL USCGS
Station located at entrance to Miners Ranch Canal on the left end of Ponderosa Dam, 2,800 feet upstream from Sucker Run, and 2.6 miles northwest of Forbestown. Prior to October 1, 1967, station was located at a site 1,800 feet downstream. Drainage area is 108 square miles.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A56911	PALERMO CANAL AT GROVILLE DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16	5.5	6.2	5.8		0.0	2.4	11	23	25	25	23	1
2	14	5.4	6.2	5.8		0.0	2.4	12	23	26	25	23	2
3	12	5.4	6.2	5.8		0.0	2.4	12	23	25	25	23	3
4	12	5.4	6.2	5.8		0.0	2.4	12	23	26	25	23	4
5	12	5.4	6.2	5.8		0.0	2.4	12	23	26	25	23	5
6	12	5.4	6.2	5.8		0.0	2.4	11	24	26	25	23	6
7	13	5.4	6.1	5.8		0.0	2.4	9.1	24	26	25	23	7
8	16	5.3	6.0	5.8		0.0	2.4	9.8	24	26	25	23	8
9	15	5.4	6.0	5.8		0.0	2.4	12	24	26	25	23	9
10	14	5.4	6.0	5.8	N	0.0	2.4	13	24	24	25	23	10
11	14	5.7	6.0	5.8	O	0.0	2.4	13	24	23	25	23	11
12	14	6.3	6.0	5.8		0.0	2.4	16	24	23	25	23	12
13	14	6.2	6.0	5.8		0.0	2.4	18	24	23	25	23	13
14	14	6.2	5.9	5.8		0.0	2.4	19	23	25	25	23	14
15	17	6.2	6.0	5.8	F	1.4	2.4	20	23	25	25	23	15
16	14	6.2	6.0	5.8	L	2.2	2.5	18	24	25	25	23	16
17	14	6.2	5.9	5.8		2.2	2.5	18	24	24	24	23	17
18	14	6.2	5.8	5.8	O	2.3	2.9	18	24	23	22	23	18
19	14	6.2	5.8	5.8		2.3	3.2	18	23	23	21	23	19
20	14	6.2	5.8	5.8	W	2.3	3.2	18	23	23	21	23	20
21	13	6.2	5.8	5.8		2.3	4.6	18	23	23	21	23	21
22	12	6.2	5.8	1.9		2.3	5.3	19	23	23	21	23	22
23	12	6.2	5.8	0.0		2.3	5.4	21	23	23	21	23	23
24	11	6.2	5.8	0.0		2.3	5.4	21	23	24	21	23	24
25	11	6.2	5.8	0.0		2.3	5.4	21	23	25	23	23	25
26	11	6.2	5.8	0.0		2.3	5.4	21	23	25	24	23	26
27	11	6.2	5.8	0.0		2.3	5.4	21	23	25	24	23	27
28	9.3	6.2	5.8	0.0		2.3	9.5	22	23	25	24	23	28
29	6.8	6.2	5.8	0.0		2.3	7.4	23	23	25	24	21	29
30	5.7	6.2	5.6	0.0		2.3	8.5	23	24	25	24	20	30
31	5.7		5.8	0.0		2.3		23		25	24		31
MEAN	12.5	5.9	5.9	3.9		1.2	3.6	16.9	23.4	24.5	23.8	22.8	MEAN
MAX	17	6.3	6.2	5.8		2.3	8.5	23	24	26	25	23	MAX
MIN.	5.7	5.3	5.6	0.0		0.0	2.4	9.1	23	23	21	20	MIN.
AC. FT.	769	352	365	245		75	215	1,040	1,390	1,510	1,470	1,360	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
12.1	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	8,790

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 31 59	121 28 54	SW 1 19N 4E	29 E	1.32	1-20-1964	APR 1963-DATE	APR 1963-DATE	1963		0.00	LOCAL
Station is located at the outlet of the relocation tunnel of Palermo Canal, 50 feet southeast of toe of the dam.											

Station is located at the outlet of the relocation tunnel of Palermo Canal, 50 feet southeast of toe of the dam.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A05191	FEATHER RIVER AT OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	410	800	860	855	513	406	406	419	417	425	405	426	1
2	410	785	855	861	471	406	409	420	418	423	404	425	2
3	410	830	852	849	402	406	414	421	412	425	405	426	3
4	412	838	858	819	411	406	414	427	410	426	403	427	4
5	407	848	852	791	414	408	413	423	413	426	401	418	5
6	410	838	834	850	409	409	410	423	410	428	399	416	6
7	411	840	832	861	408	413	410	421	413	427	402	415	7
8	409	839	826	869	412	416	416	423	409	427	401	418	8
9	412	832	831	870	413	413	415	425	407	426	395	418	9
10	408	839	832	845	409	415	413	425	437	425	398	417	10
11	405	842	834	819	402	413	413	424	424	423	401	418	11
12	397	839	830	797	446	407	407	423	420	424	401	417	12
13	405	844	822	853	428	412	405	412	416	427	398	409	13
14	407	845	810	890	403	411	408	416	410	427	399	409	14
15	415	858	793	882	384	409	413	417	416	409	409	408	15
16	675	859	807	885	382	407	413	414	416	401	409	408	16
17	795	853	823	886	397	410	414	415	416	396	401	408	17
18	796	863	826	869	406	415	411	411	415	406	413	411	18
19	784	862	814	859	403	418	413	414	410	400	415	413	19
20	781	855	810	849	402	414	405	406	408	400	411	413	20
21	785	857	799	874	403	423	405	405	405	403	409	410	21
22	791	861	826	883	401	420	411	405	407	400	411	408	22
23	799	852	864	866	400	418	411	413	404	397	403	403	23
24	790	852	871	857	399	418	413	417	407	387	402	403	24
25	783	849	844	832	399	410	414	415	420	369	404	403	25
26	804	852	843	830	403	407	413	410	426	373	404	406	26
27	835	853	865	861	406	407	411	414	428	373	405	410	27
28	824	861	863	875	407	401	409	410	421	378	403	410	28
29	774	856	851	867	396	414	409	409	422	385	401	410	29
30	787	860	853	865	396	417	410	410	425	397	403	408	30
31	801		864	871	397		414			403	418		31
MEAN	604	845	837	856	412	410	411	416	415	408	404	413	MEAN
MAX.	835	863	871	890	513	423	417	427	437	428	418	427	MAX.
MIN.	397	785	793	791	382	396	405	405	404	369	395	403	MIN.
AC. FT.	37,150	50,310	51,460	52,640	22,880	25,200	24,480	25,590	24,720	25,060	24,860	24,580	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

MEAN DISCHARGE	DISCHARGE	MAXIMUM			MINIMUM				TOTAL ACRE FEET
537	1,117	GAGE HT.	1.13	MO	DAY	TIME	DISCHARGE	GAGE HT.	388,900
				1	13	1400			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 31 18	121 32 48	SE 8 19N 4E	230,000		3-19-1907	OCT 1901-DATE	OCT 1901-DATE	1912	1934	139.53	USCGS
								1934	1962	182.02	USCGS
								1962	1964	0.00	USCGS
								1964		148.97	USCGS
Station located 300 feet above Fish Barrier Dam, 0.6 mile northeast of Oroville. Flow is regulated by reservoirs and power plants. Flows diverted through Fish Hatchery are included. Maximum discharge listed at site then in use (approximately 167.5 feet, USCGS Datum). Drainage area is 3,626 square miles.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A05975	THERMALITO AFTERBAY RELEASE TO FEATHER RIVER NEAR OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7,140	2,640	9,160	2,620	2,150	1,280	1,090	7,130	3,180	2,150	5,140	4,200	1
2	7,120	2,600	9,140	2,640	1,920	1,270	874	8,080	3,190	2,150	4,960	4,210	2
3	7,150	2,610	9,170	2,630	1,720	1,270	695	9,420	3,180	2,160	5,200	4,180	3
4	7,150	2,630	9,200	2,590	1,480	1,260	580	9,510	3,760	2,130	5,150	4,180	4
5	7,040	2,640	9,160	2,620	1,280	1,270	582	9,510	5,610	2,160	5,100	4,170	5
6	7,080	2,640	9,190	2,640	1,290	1,280	581	9,490	7,160	2,150	5,100	4,150	6
7	7,100	2,640	9,130	2,650	1,280	1,280	580	9,480	8,080	2,150	5,040	4,120	7
8	7,140	2,630	9,160	2,660	1,270	1,280	582	9,470	8,130	2,160	5,040	4,190	8
9	7,160	2,600	8,670	2,660	1,280	1,280	574	9,590	8,120	2,160	5,030	4,210	9
10	7,160	2,580	6,650	2,660	1,270	1,280	577	9,610	8,140	2,170	4,180	4,220	10
11	7,150	2,630	4,750	2,600	1,270	1,270	569	9,530	7,250	3,250	4,170	4,210	11
12	7,040	2,640	4,190	2,590	1,270	1,270	573	9,760	6,260	4,270	4,190	4,200	12
13	7,030	3,360	3,840	2,610	1,280	1,280	570	9,820	5,350	5,100	4,200	4,200	13
14	7,120	6,330	2,660	2,680	1,280	1,270	588	9,810	4,300	5,160	4,160	4,150	14
15	7,120	6,650	2,600	2,660	1,280	1,280	577	9,790	3,730	5,140	4,220	4,150	15
16	6,900	6,610	2,630	2,490	1,280	1,280	568	9,720	3,740	5,170	4,200	4,140	16
17	6,650	6,590	2,660	2,270	1,280	1,280	566	8,830	2,570	5,100	4,180	4,130	17
18	6,620	6,670	2,660	2,180	1,280	1,280	574	7,770	2,250	5,080	4,220	4,110	18
19	6,540	6,640	2,620	2,130	1,280	1,270	568	7,760	2,230	5,070	4,250	4,140	19
20	6,510	6,630	2,610	2,180	1,290	1,270	574	6,850	2,240	5,070	4,230	3,320	20
21	6,620	8,290	2,610	2,190	1,290	1,280	1,050	5,610	2,180	5,080	4,220	2,450	21
22	6,640	9,210	2,600	2,210	1,280	1,280	1,580	5,230	2,150	5,090	4,200	2,450	22
23	6,140	9,160	2,630	2,170	1,270	1,280	2,060	4,320	2,160	5,080	4,180	2,450	23
24	4,230	9,160	2,640	2,140	1,270	1,290	2,750	3,450	2,150	5,090	4,170	2,460	24
25	2,670	9,200	2,610	2,150	1,270	1,280	3,680	3,170	2,160	5,120	4,180	2,470	25
26	2,590	9,150	2,640	2,150	1,270	1,280	4,650	3,180	2,160	5,080	4,160	2,470	26
27	2,570	9,170	2,640	2,180	1,260	1,280	5,530	3,210	2,160	5,050	4,230	2,450	27
28	2,610	9,170	2,640	2,220	1,260	1,280	6,700	3,200	2,150	5,060	4,170	2,460	28
29	2,630	9,220	2,610	2,210	1,270	1,270	6,990	3,200	2,140	5,140	4,190	2,470	29
30	2,630	9,170	2,640	2,190	1,260	1,260	7,110	3,200	2,160	5,100	4,190	2,470	30
31	2,630		2,650	2,220	1,270	1,270		3,190		5,100	4,190		31
MEAN	5,867	5,729	4,799	2,413	1,354	1,276	1,818	7,158	4,001	4,063	4,453	3,573	MEAN
MAX.	7,160	9,220	9,200	2,680	2,150	1,290	7,110	9,820	8,140	5,170	5,200	4,220	MAX.
MIN.	2,570	2,580	2,600	2,130	1,260	1,260	566	3,170	2,140	2,130	4,160	2,450	MIN.
AC. FT.	360,800	340,900	295,100	148,300	75,170	78,450	108,200	440,100	278,300	249,800	273,800	212,600	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW
- E AND *

MEAN DISCHARGE	DISCHARGE	MAXIMUM GAGE MT.	MO.	DAY	TIME	DISCHARGE	MINIMUM GAGE MT.	MO.	DAY	TIME	TOTAL ACRE FEET
3,897	10,010	6.52	5	12							2,821,000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			CF5	GAGE NT	DATE			FROM	TO	

39 27 23 121 38 10 SE 33 19N 3E 21,600 1-28-1970 DEC 1967-DATE DEC 1967-DATE 1967 0.47 USCGS

Station located in river outlet channel, 5.7 miles southwest of Oroville. Station measures flows released to Feather River through Thermalito Afterbay.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO	STATION NAME
1975	405165	FEATHER RIVER NEAR GRIDLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7,710	3,530	10,100	3,510	2,830	1,720	1,600	8,840	3,640	2,500	5,720	4,340	1
2	7,670	3,500	10,100	3,530	2,550	1,710	1,460	8,870	3,660	2,500	5,710	4,380	2
3	7,720	3,520	10,100	3,510	2,100	1,680	1,320	10,200	3,610	2,510	5,440	4,340	3
4	7,690	3,540	10,100	3,440	2,000	1,680	1,180	10,300	4,130	2,510	5,360	4,340	4
5	7,520	3,570	10,000	3,480	1,790	1,700	1,140	10,300	6,240	2,510	5,340	4,320	5
6	7,550	3,570	10,000	3,480	1,710	1,720	1,130	10,300	8,100	2,520	5,350	4,300	6
7	7,570	3,590	9,960	3,530	1,710	1,840	1,130	10,300	9,130	2,520	5,150	4,250	7
8	7,630	3,530	9,990	3,550	1,790	1,850	1,130	10,300	9,220	2,530	5,140	4,300	8
9	7,580	3,520	9,580	3,510	1,810	1,840	1,120	10,500	9,140	2,540	5,120	4,340	9
10	7,570	3,490	7,720	3,490	1,800	1,810	1,130	10,500	9,170	2,540	4,420	4,340	10
11	7,500	3,510	5,870	3,420	1,700	1,740	1,120	10,500	8,290	3,680	4,330	4,320	11
12	7,460	3,520	5,100	3,400	1,870	1,740	1,100	10,600	7,160	4,880	4,340	4,310	12
13	7,400	4,000	4,880	3,420	2,170	1,770	1,130	10,800	6,140	5,910	4,350	4,310	13
14	7,470	6,800	3,680	3,550	1,970	1,750	1,140	10,800	4,970	6,060	4,310	4,260	14
15	7,470	7,450	3,490	3,500	1,850	1,790	1,130	10,700	4,300	6,010	4,340	4,250	15
16	7,450	7,460	3,480	3,400	1,760	1,790	1,120	10,700	4,200	6,040	4,350	4,210	16
17	7,400	7,450	3,540	3,140	1,730	1,810	1,120	9,700	3,130	5,920	4,340	4,190	17
18	7,360	7,550	3,560	3,040	1,750	1,820	1,130	8,580	2,640	5,860	4,370	4,170	18
19	7,250	7,590	3,500	2,970	1,770	1,790	1,130	8,440	2,590	5,830	4,400	4,210	19
20	7,210	7,590	3,490	2,960	1,710	1,790	1,120	7,640	2,590	5,880	4,400	3,560	20
21	7,260	8,940	3,490	2,990	1,670	1,880	1,500	6,250	2,570	5,890	4,390	2,770	21
22	7,310	10,000	3,420	3,000	1,700	1,900	2,000	5,920	2,510	5,930	4,380	2,680	22
23	6,940	10,000	3,440	2,990	1,690	1,860	2,440	4,970	2,520	5,920	4,360	2,660	23
24	5,270	10,100	3,530	2,930	1,680	1,880	3,200	4,040	2,500	5,930	4,330	2,660	24
25	3,740	10,100	3,480	2,890	1,670	1,840	4,290	3,650	2,510	5,940	4,340	2,660	25
26	3,570	10,100	3,480	2,870	1,670	1,790	5,440	3,650	2,510	5,900	4,350	2,660	26
27	3,560	10,100	3,570	2,890	1,680	1,790	6,440	3,650	2,520	5,860	4,400	2,640	27
28	3,630	10,100	3,560	2,960	1,760	1,760	7,640	3,630	2,520	5,810	4,350	2,660	28
29	3,540	10,200	3,490	2,910	1,740	1,790	7,920	3,620	2,510	5,880	4,310	2,660	29
30	3,530	10,200	3,490	2,890	1,750	1,750	8,020	3,650	2,490	5,850	4,320	2,690	30
31	3,560		3,520	3,020	1,700			3,640		5,810	4,320		31
MEAN	6,520	6,603	5,699	3,230	1,854	1,781	2,417	7,494	4,573	4,709	4,633	3,725	MEAN
MAX	7,720	10,200	10,100	3,550	2,830	1,900	8,020	10,400	9,220	6,060	5,720	4,380	MAX
MIN	3,530	3,490	3,420	2,870	1,670	1,690	1,100	3,620	2,490	2,500	4,310	2,640	MIN
AC FT	40919	39295	350420	198645	106942	109547	143841	495633	272132	289567	284886	221692	AC FT

WATER YEAR SUMMARY

MEAN DISCHARGE	DISCHARGE	MAXIMUM	MINIMUM	TOTAL
4493.6	11000	79.22	74.81	3253198
		MO DAY	MO DAY	
		05 14	06 12	
		1915	1910	

E - ESTIMATED
NR - NO RECORD
+ - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- - E AND +

LOCATION		MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
39 22 01	121 38 43	SW 33 18N 3E	102,25	12-23-1955	JAN 1944-DATE	MAR 29-MAY 37# OCT 37-APR 39 NOV 39-JUL 40 OCT 40-JUL 43 OCT 43-DATE	74.81	1929		USED USCGS
Station located near highway bridge 2.7 miles east of Gridley. Subsequent to 1962, tabulations include all left bank overflow. Records of discharge published prior to 1963 listed only that water in the main channel. Drainage area is 3,676 square miles.										
# - Flood season only.										

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR STATION NO STATION NAME													
1975 405735 NORTH HONCUT CREEK NE6W BANGOR													
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.5	6.1	4.2	7.7	1,110	27	42	12	3.3	1.2	0.3	1.4	1
2	0.4	4.2	4.4	6.8	1,540	32	35	1	3.6	1.2	0.4	1.3	2
3	0.5	3.0	7.0	6.2	337	27	32	9.3	3.4	1.8	0.9	1.3	3
4	0.5	2.6	15	5.9	533	22	33	14	2.9	2.3	0.8	1.0	4
5	0.4	2.1	10	5.9	179	22	67	11	2.6	2.8	0.8	0.8	5
6	0.3	2.0	7.4	77	118	32	70	10	3.2	2.5	0.7	0.9	6
7	0.4	2.5	6.2	127	163	233	57	17	2.6	2.1	0.6	0.9	7
8	0.3	6.8	5.6	128	543	418	81	8.8	2.5	1.9	0.4	0.8	8
9	0.4	5.5	5.2	41	435	172	63	8.5	2.0	1.7	0.6	1.3	9
10	0.6	3.9	5.1	22	384	130	45	8.0	2.0	1.7	0.9	1.7	10
11	1.2	3.2	4.6	17	156	90	36	7.7	1.7	1.6	1.1	2.5	11
12	0.9	2.8	4.6	14	1,870	59	30	7.0	1.7	1.4	1.2	2.2	12
13	0.9	2.5	4.9	15	2,370	83	26	6.5	1.7	1.4	1.3	1.7	13
14	0.9	2.3	4.9	17	359	128	25	5.9	1.7	1.2	1.6	1.4	14
15	0.8	2.3	4.8	17	192	77	24	5.2	1.5	1.1	1.6	1.1	15
16	0.7	2.2	4.7	16	125	187	21	6.5	1.8	1.2	1.5	1.0	16
17	0.7	2.0	4.6	15	86	109	19	6.6	1.9	1.1	1.6	1.2	17
18	0.6	2.5	4.5	15	65	195	17	6.0	2.0	0.9	2.5	1.5	18
19	0.7	3.5	4.4	14	95	453	15	7.0	2.4	0.7	3.3	1.9	19
20	0.6	3.3	4.4	13	104	274	14	7.0	3.0	1.3	2.7	2.5	20
21	1.0	3.8	4.6	11	59	429	14	7.2	2.3	1.6	2.4	2.1	21
22	1.4	5.3	4.5	11	44	467	13	8.1	2.1	1.5	2.0	1.5	22
23	1.8	4.6	4.1	10	37	194	12	7.0	1.8	1.4	1.6	1.2	23
24	2.7	4.3	3.9	11	32	339	31	6.9	2.0	0.9	1.2	1.4	24
25	2.8	4.4	3.8	11	30	670	68	9.1	2.2	0.6	1.0	1.5	25
26	2.6	4.5	3.9	11	27	232	31	4.6	1.9	0.5	1.0	1.7	26
27	2.7	4.2	4.9	10	24	150	23	4.4	1.6	0.3	1.2	1.7	27
28	5.4	4.2	4.5	8.7	22	102	16	4.2	1.8	0.2	1.3	1.7	28
29	6.1	4.0	27	8.1		77	16	3.9	1.7	0.1	1.5	1.5	29
30	4.6	4.1	13	5.4		63	14	3.9	1.5	0.1	2.3	1.4	30
31	4.8		9.5	7.2		53		3.6		0.5	1.8		31
MEAN	1.6	3.9	7.8	22.1	395	174	33.1	7.3	2.2	1.3	1.4	1.5	MEAN
MAX	6.1	6.8	45.0	128	2,370	676	11.0	1.0	3.6	2.8	3.3	2.5	MAX
MIN	0.3	2.0	3.8	5.9	42.0	20.0	12.0	3.6	1.5	0.1	0.3	0.8	MIN
AC FT	97	216	477	1360	21939	10990	1968	448	132	77	84	87	AC FT

WATER YEAR SUMMARY

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF FLOW MADE THIS DAY
 - E AND *

MEAN DISCHARGE	DISCHARGE	MAXIMUM GAGE HT	MO	DAY	TIME	DISCHARGE	MINIMUM GAGE HT	MO	DAY	TIME	TOTAL ACRE FEET
52.3	7340	11.09	02	12	2045	0.1	3.14	07	29	1615	37876

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
39 20 32	121 29 25	SW 11 17N 4E	10,700 E	11.57	12-26-1964	OCT 59-SEPT 62 JUL 63-DATE	OCT 59-SEPT 62 JUL 63-DATE	1959 1963	0.00 0.00	LOCAL LOCAL	

Station located 0.4 mile north of Honcut-Wyandotte Road and Bangor Highway junction, 5.7 miles southwest of Bangor. Tributary to Feather River. Flow partly regulated by Lake Wyandotte. Drainage area is 47.1 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A61265	SQUAKEL CREEK NEAR PENN VALLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	12	11	10	14	300	17	27	21	16	13	12	12	1
2	12	9.0	9.8	13	487	19	24	20	18	14	13	11	2
3	12	8.3	25	12	290	16	25	24	18	14	13	11	3
4	12	8.4	33	12	312	15	45	23	17	15	13	10	4
5	12	8.4	14	11	73	18	186	21	16	15	12	9.5	5
6	11	8.6	11	286	48	24	150	19	18	13	12	9.2	6
7	11	11	9.9	150	42	134	109	18	18	13	12	9.2	7
8	11	12	12	318	132	219	80	18	18	12	14	9.6	8
9	12	10	12	37	572	58	55	20	17	12	14	10	9
10	12	9.5	12	23	244	43	42	20	18	11	13	11	10
11	11	9.3	12	19	55	32	34	20	18	12	12	12	11
12	10	9.1	11	17	631	26	29	20	19	12	11	12	12
13	10	9.0	12	16	712	32	27	21	16	12	12	12	13
14	10	8.9	11	15	133	50	25	21	16	12	12	12	14
15	10	9.7	11	14	59	65	25	21	16	12	12	12	15
16	11	10	11	14	40	192	24	21	17	15	12	10	16
17	10	10	10	13	32	45	23	21	17	14	12	9.2	17
18	9.5	11	11	12	28	40	24	20	17	12	17	10	18
19	8.6	10	11	12	72	117	22	20	17	17	17	10	19
20	8.6	10	11	12	33	50	21	19	17	10	15	11	20
21	8.6	19	11	11	33	299	20	19	16	9.9	15	12	21
22	8.7	14	11	11	27	172	20	19	16	9.5	14	12	22
23	8.6	11	10	10	25	54	22	18	15	8.7	13	12	23
24	8.8	10	8.8	10	24	340	50	18	17	9.5	13	12	24
25	8.3	18	9.0	9.9	23	555	38	18	18	9.0	12	11	25
26	8.3	18	9.2	10	21	83	28	17	16	8.9	12	11	26
27	9.5	15	33	9.8	19	49	24	17	13	9.9	12	12	27
28	22	8.8	129	9.7	17	39	23	17	13	10	12	13	28
29	12	9.4	24	9.9	35	22	16	12	12	12	12	12	29
30	9.5	10	17	9.8	32	21	16	12	12	12	12	11	30
31	10	15	14	14	29	29	16	16	12	12	12	12	31
MEAN	10.8	10.9	17.2	36.6	163	93.8	42.2	19.3	16.4	11.8	12.9	11.0	MEAN
MAX	22.0	19.0	129	318	712	555	146	24.0	19.0	15.0	17.0	13.0	MAX
MIN	8.3	8.3	8.8	9.7	17.0	15.0	20.0	16.0	12.0	8.7	11.0	9.2	MIN
AC FT.	666	647	1059	2251	9064	5770	2509	1186	976	725	791	656	AC FT.

WATER YEAR SUMMARY

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- E AND *

MEAN DISCHARGE	MAXIMUM GAGE HT	MINIMUM GAGE HT	TOTAL ACRE FEET
36.3	2690	6.9	26301

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE
			CFS	GAGE HT	DATE			FROM	TO	
39 12 38	121 12 04	SW 28 16N 7E	2,690	12.76	2-12-75	FEB 1972-DATE	FEB 1972-DATE	1972		0.00
Station located 0.4 mile north of Highway 20 on Bridgeport Road, 1.5 miles northwest of Penn Valley. Station established and operated in cooperation with Nevada Irrigation District.										

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	405120	FATHER RIVER BELOW SHANGHAI REND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8,480	4,156	14,600	7,450	6,060	3,550	5,500	1,400	8,400	4,100	4,430	6,400	1
2	8,460	4,070	14,600	7,260	12,900	3,560	5,800	1,130	7,410	4,130	7,960	6,950	2
3	8,480	3,950	14,600	7,290	12,200	3,700	6,300	1,900	7,400	4,310	7,430	6,940	3
4	8,500	3,980	15,000	7,250	9,170	4,190	6,200	11,400	7,500	4,130	7,770	6,950	4
5	8,420	3,980	14,900	7,210	7,140	4,220	5,600	11,700	8,450	4,130	7,430	6,970	5
6	8,350	4,110	14,800	7,460	5,600	4,400	6,700	11,500	11,300	4,160	7,850	6,910	6
7	8,390	4,070	14,600	8,460	4,200	4,400	6,500	11,300	12,900	4,160	7,770	6,980	7
8	8,520	4,220	14,000	8,870	4,960	7,070	6,510	11,300	13,700	4,070	7,620	6,980	8
9	8,630	4,130	14,400	8,470	7,660	6,860	6,200	11,300	14,600	4,100	7,420	7,110	9
10	8,650	4,070	13,200	8,150	6,400	5,700	6,300	11,600	14,200	4,070	7,350	7,100	10
11	8,590	4,040	13,900	8,010	6,670	5,450	6,150	11,400	13,800	4,590	7,870	7,130	11
12	8,590	4,070	4,240	7,640	4,960	5,210	6,090	11,700	12,500	5,700	8,240	7,140	12
13	8,450	4,070	5,000	7,320	16,700	5,140	5,700	12,500	11,600	7,020	8,450	7,140	13
14	8,480	4,090	8,180	6,900	14,500	5,560	5,500	12,500	10,900	7,420	8,460	7,120	14
15	8,540	4,370	7,440	6,030	9,720	5,410	5,930	12,400	10,100	7,660	8,420	7,100	15
16	8,540	4,540	7,440	5,410	8,900	5,810	5,920	12,500	9,740	7,670	8,430	7,070	16
17	8,450	4,560	7,440	5,600	5,420	5,760	5,070	12,100	8,940	7,580	8,440	7,040	17
18	8,410	4,090	7,440	5,620	4,000	5,570	5,800	11,100	7,540	7,490	8,400	7,020	18
19	8,350	4,210	7,340	5,450	4,070	5,270	5,210	11,400	8,430	7,470	8,430	7,040	19
20	8,310	4,470	7,360	5,420	4,470	7,500	5,750	11,100	6,410	7,560	8,440	6,820	20
21	8,300	1,420	7,300	5,580	4,740	6,040	5,740	4,540	5,330	7,630	8,430	6,050	21
22	8,440	12,300	7,300	5,610	4,630	11,400	6,700	4,980	4,990	8,410	8,440	5,590	22
23	8,440	12,800	7,170	5,580	4,500	9,200	6,400	4,760	8,550	8,430	8,430	5,540	23
24	7,100	13,200	7,240	5,460	4,400	6,610	6,790	5,900	4,340	3,560	8,420	5,560	24
25	5,590	13,700	7,210	5,380	4,340	13,700	7,820	4,920	4,420	8,630	8,410	5,550	25
26	4,400	14,000	7,100	5,180	4,310	14,100	7,210	4,850	5,260	8,590	8,440	5,530	26
27	4,160	14,200	7,360	5,060	4,340	11,000	7,870	5,220	4,050	8,100	8,490	5,530	27
28	4,310	14,600	7,490	4,950	4,190	9,900	9,100	6,220	3,980	8,230	8,470	5,540	28
29	4,250	14,700	7,300	4,430	4,320	10,400	10,400	6,300	3,490	8,270	8,470	5,540	29
30	4,190	14,600	7,500	4,340	7,800	10,400	6,590	4,130	8,340	8,470	8,470	5,550	30
31	4,280		7,350	4,060	7,240		7,430		8,380	8,480			31
MEAN	7,502	8,217	4,958	6,385	6,921	6,821	6,651	4,794	8,269	6,561	7,151	6,551	MEAN
MAX	8,650	14,710	15,310	18,700	18,700	14,100	10,400	12,500	14,200	8,630	4,430	7,140	MAX
MIN	4,160	3,450	7,170	4,340	4,000	3,560	5,500	4,850	3,490	4,070	6,750	5,530	MIN
AC FT.	40,131	40,895	61,231	39,268	38,496	41,944	39,357	60,221	40,348	43,971	38,911		AC FT.

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

- DISCHARGE MEASUREMENT OR

OBSERVATION OF FLOW MADE THIS DAY

- E AND -

MEAN	MAXIMUM	MINIMUM	TOTAL
DISCHARGE 7573.1	DISCHARGE 22700	DISCHARGE 3010.0	ACRE FEET 5492688
	GAGE HT 44.13	GAGE HT 34.29	
	MO 02	MO 04	
	DAY 13	DAY 01	
	TIME 18:00	TIME 2215	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM TO	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
38 04 44	121 36 08	NE 11 14N 3E		76.8	12-24-1955	JUN 44-OCT 45 # JAN 46-DATE	NOV 26-MAY 35 # OCT 37-MAY 39 NOV 39-JUL 41 NOV 41-JUL 43 # OCT 43-DATE	1926 1926	0.00 -3.01	USED USCGS	
Station located approximately 4 miles south of Yuba City. Flow partly regulated by reservoirs and power plants. Drainage area is 5,337 square miles.											
# - Irrigation season only.											
# - Flood season only.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02903	SACRAMENTO WEIR SPILL TO YOLO BYPASS (a)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					0	0							1
2					0	0							2
3					0	0							3
4					0	0							4
5					0	0							5
6					0	0							6
7					0	0							7
8					0	0							8
9					0	0							9
10					0	0							10
11	N	N	N	N	0	0	N	N	N	N	N	N	11
12	O	O	O	O	0	0	O	O	O	O	O	O	12
13					87	0							13
14					103	0							14
15	F	F	F	F			F	F	F	F	F	F	15
16	L	L	L	L	101	0	L	L	L	L	L	L	16
17	O	O	O	O	50	0	O	O	O	O	O	O	17
18					0	0							18
19	W	W	W	W	0	0	W	W	W	W	W	W	19
20					0	0							20
21					0	0							21
22					0	17							22
23					0	87							23
24					0	102							24
25					0	143							25
26					0	178							26
27					0	158							27
28					0	140							28
29						109							29
30						60							30
31						2.5							31
MEAN					12.2	32.1							MEAN
MAX					103	178							MAX
MIN.					0	0							MIN.
AC. FT.					676	1,977							AC. FT.

WATER YEAR SUMMARY

(a) - Leakage through needles during 1975 water year.

E - ESTIMATED	MEAN DISCHARGE	DISCHARGE	MAXIMUM GAGE HT.	MO.	DAY	TIME	DISCHARGE	MINIMUM GAGE HT.	MO.	DAY	TIME	TOTAL ACRES FEET
NR - NO RECORD	3.7	181		3	26	0830						2,653
* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW												

- E AND *

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
			118,000 E	32.8	3-26-1928	1926-DATE					
See Sacramento River at Sacramento Weir for stage record and location. Elevation of fixed crest of weir is 24.5* feet, USED Datum; elevation of movable crest (top of needles) is 30.5* feet, USED Datum. There are 48 gates, each 38 feet in length.											
*From 1964 surveys. Previously listed as 25.0 and 31.0, respectively.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR STATION NO STATION NAME													
1975			A00047			DRY CREEK AT ROSEVILLE							
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	20	33	31	40	141	61	82	45	19	20	13	22	1
2	24	28	31	41	526	66	76	42	20	20	13	21	2
3	25	26	70	39	390	59	76	47	22	20	14	20	3
4	24	25	113	41	428	56	92	55	21	21	13	18	4
5	23	25	52	41	173	77	350	51	19	22	12	17	5
6	22	24	41	85	141	102	307	48	19	21	12	16	6
7	21	34	37	101	115	212	173	44	18	19	12	15	7
8	21	58	35	104	148	530	121	41	16	18	12	18	8
9	21	40	34	74	492	198	101	41	15	16	12	19	9
10	21	35	34	59	209	154	87	41	15	15	12	21	10
11	20	34	34	53	149	127	79	37	15	15	12	26	11
12	10	34	34	48	294	92	74	34	15	15	11	25	12
13	17	34	36	45	907	283	68	34	15	16	13	25	13
14	17	33	35	44	395	338	65	35	17	16	13	25	14
15	21	33	34	42	176	165	65	41	17	17	14	23	15
16	19	33	34	42	129	265	62	4	19	22	16	24	16
17	19	33	34	40	102	144	63	38	17	20	17	21	17
18	20	34	34	40	89	119	59	30	18	18	21	20	18
19	20	36	33	39	189	114	57	31	19	18	31	20	19
20	21	30	33	39	241	113	53	26	21	18	30	21	20
21	21	49	34	38	112	246	50	30	21	18	30	21	21
22	22	58	33	39	93	496	48	29	21	16	30	21	22
23	22	38	33	39	76	183	54	29	20	14	25	18	23
24	23	35	33	39	72	310	70	26	25	13	23	17	24
25	23	36	36	38	69	666	92	24	26	11	22	16	25
26	20	34	32	38	94	270	71	23	25	11	19	15	26
27	21	30	47	36	62	170	63	21	23	11	21	14	27
28	41	32	228	36	90	128	56	20	20	12	24	16	28
29	33	33	79	37		110	50	20	20	13	22	17	29
30	26	32	56	38		101	46	19	20	14	21	18	30
31	34		42	47		95		18		13	22		31
MEAN	22.8	34.6	47.1	47.8	214	195	40.3	34.5	19.3	16.5	18.1	19.7	MEAN
MAX	11.0	58.0	228	104	907	666	350	55.0	26.0	22.0	31.0	26.0	MAX
MIN	17.0	24.0	36.0	36.0	60.0	54.0	46.0	18.0	15.0	11.0	11.0	14.0	MIN
AC FT.	1400	2061	2896	2940	11925	12012	5375	2122	1140	1018	1115	1170	AC FT.

E - ESTIMATE
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- E AND *

WATER YEAR SUMMARY

MEAN	DISCHARGE	MAXIMUM	DISCHARGE	GAGE HT	MO	DAY	TIME	MINIMUM	DISCHARGE	GAGE HT	MO	DAY	TIME	TOTAL
DISCHARGE	67.4	DISCHARGE	1187	8.13	02	13	0815	DISCHARGE	9.9	2.79	07	27	0330	ACFE FEET
														45179

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R MO B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CF5	GAGE HT	DATE			FROM	TO		
38 44 47	121 16 57	SE 2 10N 6E	2,370	15.90	1-26-1969	APR 1966-DATE	APR 1966-DATE	1966	1969	0.00	LOCAL
Station located 1,400 feet above Douglas Street bridge. Prior to November 3, 1969, station located 100 feet above Douglas Street bridge. Tributary to Sacramento River via Linda Creek and Back Borrow Pit of Reclamation District 1000.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02100	SACRAMENTO RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	21,500	18,500	29,100	22,400	17,600	30,100	62,100	29,100	25,100	16,700	19,100	21,900	1
2	21,600	19,000	29,200	20,700	24,300	28,000	54,900	29,200	24,900	16,500	19,200	21,800	2
3	21,400	19,400	29,800	19,500	36,700	27,300	48,000	29,700	25,200	16,500	19,000	22,000	3
4	21,300	18,900	30,800	19,000	40,600	26,400	42,100	30,600	25,200	16,400	18,700	22,300	4
5	21,500	17,800	34,400	18,900	40,400	26,200	38,900	31,300	25,600	16,300	18,900	21,800	5
6	21,600	16,900	37,900	18,700	36,700	26,100	38,300	32,300	27,200	16,200	19,200	21,600	6
7	21,500	16,100	36,000	19,400	33,600	25,700	38,300	31,800	29,100	16,100	19,000	21,400	7
8	21,600	16,200	33,400	21,900	32,900	28,500	37,300	31,000	30,300	16,200	18,700	21,100	8
9	21,700	16,000	31,700	25,400	40,600	37,700	35,800	30,400	30,900	16,100	18,700	20,500	9
10	21,700	16,300	30,700	27,600	47,800	42,700	35,300	30,800	30,900	15,900	18,700	20,800	10
11	21,800	16,900	28,900	26,600	51,100	47,800	33,800	31,500	30,400	15,600	18,500	21,200	11
12	21,700	17,800	26,600	24,400	53,600	54,200	31,300	32,100	29,500	16,300	18,300	21,600	12
13	21,300	18,400	25,300	22,400	62,200	57,400	29,700	32,400	28,000	17,400	18,300	21,500	13
14	20,700	18,700	24,700	20,800	71,300	59,000	29,000	33,400	26,100	18,600	18,500	21,400	14
15	20,200	20,700	23,700	19,600	71,500	56,800	28,300	33,800	25,000	19,300	18,600	21,600	15
16	19,800	22,200	23,300	18,700	71,300	53,700	28,700	34,100	24,400	19,400	18,400	21,500	16
17	19,700	22,700	22,700	18,300	69,500	51,300	29,700	34,600	23,900	19,800	18,300	21,200	17
18	19,600	22,800	22,200	17,700	66,900	49,000	28,300	34,200	23,200	20,500	18,900	20,900	18
19	19,200	23,200	21,900	17,400	63,200	47,700	27,200	33,500	21,900	20,300	19,400	20,800	19
20	19,300	23,800	21,200	17,100	57,300	49,300	26,600	33,800	21,000	20,000	20,000	20,700	20
21	19,600	24,300	20,400	17,700	52,600	54,700	26,100	34,900	20,400	20,000	20,600	20,000	21
22	20,200	26,000	20,000	17,800	49,500	65,400	25,600	33,400	19,600	19,900	21,000	19,100	22
23	21,200	27,300	19,800	17,800	46,700	69,300	24,800	30,800	19,200	20,300	20,900	18,800	23
24	21,200	27,800	19,400	17,500	43,800	69,700	24,500	28,000	18,600	20,100	20,700	18,300	24
25	19,900	28,000	19,200	17,100	41,000	71,600	25,200	25,300	17,900	19,600	20,400	18,200	25
26	17,400	28,400	19,100	16,900	38,700	73,800	27,300	24,100	18,000	19,600	20,500	17,900	26
27	16,400	28,700	18,900	16,700	36,300	72,600	29,200	23,700	18,300	19,700	20,600	17,900	27
28	16,500	29,000	20,500	16,400	32,800	71,900	29,700	24,100	17,700	19,400	20,500	17,800	28
29	17,200	29,200	22,800	16,300	70,400	29,800	24,800	24,800	16,900	19,500	20,600	17,900	29
30	17,400	29,100	26,400	15,800	68,600	29,400	24,700	24,700	16,900	19,400	20,800	17,900	30
31	18,000		25,000	15,900	66,300		24,800			19,200	21,400		31
MEAN	20,120	22,000	25,650	19,430	47,520	50,940	33,170	30,260	23,710	18,280	19,500	20,380	MEAN
MAX.	21,800	29,200	37,900	27,600	71,500	73,800	62,100	34,900	30,900	20,500	21,400	22,300	MAX.
MIN.	16,400	16,000	18,900	15,800	17,600	25,700	24,500	23,700	16,900	15,600	18,300	17,800	MIN.
AC. FT.	1,237,000	1,309,000	1,577,000	1,195,000	2,639,000	3,132,000	1,974,000	1,861,000	1,411,000	1,124,000	1,199,000	1,213,000	AC. FT.

WATER YEAR SUMMARY

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW
— E AND *

MEAN DISCHARGE	DISCHARGE	MAXIMUM	MO	DAY	TIME	DISCHARGE	MINIMUM	GAGE HT.	MO	DAY	TIME	TOTAL
27,450	74,400	21.85	3	26	0830							19,870,000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD				DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	FROM TO	ZERO ON GAGE	REF DATUM		
			CFS	GAGE HT	DATE								
38 35 20	121 30 15	NW 35 9N 4E	104,000	30.14	11-21-1950	04- 05 JUN 21-NOV 21 MAY 24-DEC 42 ⁸ MAY 43-DATE	JAN 04-JULY 05 20-DATE	1904 1956	0.12	USCGS			
								1956	0.00	USCGS			
								1956	2.98	USED			
								1965 1965	-0.23	USCGS			
									0.00	USCGS			
Station located 1,000 feet above 1 Street Bridge, 0.5 mile below the American River. Below approximately 30,000 cfs the stage-discharge relationship is affected by tidal influence. Records furnished by U. S. Geological Survey. Drainage Area is 23,530 square miles.													
# - Irrigation season only.													

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	481R10	MIDDLE CREEK NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	1.3	0.5	11	100	73	142	60	9.3	0.6	0.0	0.0	1
2	0.4	1.2	0.6	8.9	207	186	124	56	8.4	0.7	0.0	0.0	2
3	1.0	1.2	0.7	7.8	155	82	116	55	7.5	0.7	0.0	0.0	3
4	0.9	1.1	0.6	8.8	311	73	117	52	7.1	0.7	0.0	0.3	4
5	1.0	1.1	0.5	11	154	71	112	49	6.1	0.6	0.0	0.2	5
6	1.1	1.1	0.5	24.9	281	72	107	46	4.5	0.6	0.0	0.2	6
7	1.1	1.2	0.5	142	506	352	102	44	4.1	0.7	0.0	0.1	7
8	1.2	1.1	0.5	418	918	650	97	41	3.8	0.7	0.0	0.4	8
9	1.2	1.0	0.6	172	1,380	424	87	39	3.6	0.5	0.0	0.4	9
10	1.3	1.0	0.6	111	892	356	91	37	2.9	0.7	0.0	0.0	10
11	0.9	1.0	0.6	70	455	276	77	36	2.3	0.5	0.0	0.0	11
12	0.5	0.9	0.7	59	1,140	185	73	34	2.1	0.5	0.0	0.2	12
13	0.3	0.9	0.7	48	1,580	162	69	33	2.2	0.3	0.0	0.3	13
14	0.2	0.9	0.7	40	666	140	66	32	2.1	0.2	0.0	0.4	14
15	0.2	0.9	0.7	34	398	145	62	30	1.9	0.2	0.0	0.3	15
16	0.4	0.8	0.8	28	291	180	60	29	2.0	0.3	0.0	0.1	16
17	0.4	0.8	0.8	24	211	486	50	27	2.0	0.1	0.0	0.0	17
18	1.0	0.8	0.9	21	134	1,350	52	25	2.0	0.1	0.0	0.0	18
19	1.2	0.7	0.9	18	507	1,270	49	24	1.7	0.1	0.0	0.0	19
20	1.3	0.7	1.0	16	465	632	48	23	2.0	0.1	0.0	0.0	20
21	1.3	0.7	1.0	14	318	1,120	46	22	2.2	0.0	0.0	0.0	21
22	1.3	0.7	1.0	12	209	1,090	43	21	2.4	0.0	0.0	0.0	22
23	1.3	0.6	1.1	10	144	743	46	20	2.3	0.0	0.0	0.0	23
24	1.3	0.7	1.2	10	122	1,110	171	10	2.2	0.0	0.0	0.0	24
25	1.3	0.6	1.2	9.7	100	1,880	138	18	2.1	0.0	0.0	0.0	25
26	1.2	0.6	1.3	9.5	85	841	99	16	2.1	0.0	0.0	0.0	26
27	1.5	0.6	89	8.6	79	526	93	15	2.0	0.0	0.0	0.0	27
28	1.6	0.6	74	7.9	74	383	75	14	1.5	0.0	0.0	0.0	28
29	1.3	0.5	28	7.5		299	70	13	1.0	0.0	0.0	0.0	29
30	1.3	0.5	19	6.5		246	65	12	0.9	0.0	0.0	0.0	30
31	1.3		14	9.4		181		11		0.0	0.0		31
MEAN	1.0	0.0	7.7	52.0	428	499	44.4	31.7	3.2	0.3	0.0	0.1	MEAN
MAX	1.0	1.3	89.0	418	1,580	1,880	171	60.0	9.3	0.7	0.0	0.4	MAX
MIN	0.0	0.5	0.5	6.5	74.0	71.0	43.0	11.0	0.9	0.0	0.0	0.0	MIN
AC FT	61	51	476	3197	23806	30736	5024	1890	191	18		6	AC FT

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY

- E AND *

MEAN	MAXIMUM	MINIMUM	TOTAL
DISCHARGE 90.4	DISCHARGE 2930	GAGE MT 10.97	MO 03
	DAY 25	TIME 0245	DISCHARGE 0.0
			GAGE MT 4.55
			MO 10
			DAY 01
			TIME 0000
			ACRE FEET 65456

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC. T & R N.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE				FROM	TO		
39 10 59	122 54 39	NEL 15N 10W	6,800 E	14.75	12-22-64	OCT 48-SEP 53 MAR 59-SEP 59 AUG 62-DATE	OCT 48-DATE		1959	1962	1353.6 0.00	USCGS LOCAL
Station located at Ranchers Road Bridge, 1.3 mi. N of Upper Lake. Tributary to Clear Lake. Flow affected by upstream diversion. Drainage area is 48.5 sq. mi.												

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A81845	SCOTTS CREEK AT EICKHOFF ROAD NEAR LAKEPORT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	12	490	55	138	37	5.5	0.0	0.0	0.0	1
2	0.0	0.0	0.0	9.8	792	104	117	34	5.2	0.0	0.0	0.0	2
3	0.0	0.0	21	8.5	432	72	108	35	4.5	0.0	0.0	0.0	3
4	0.0	0.0	17	8.3	686	62	109	32	3.4	0.0	0.0	0.0	4
5	0.0	0.0	0.1*	7.8	314	64	100	28	2.4	0.0	0.0	0.0	5
6	0.0	0.0	0.0	239	503	96	87	27	1.5	0.0	0.0	0.0	6
7	0.0	0.0	0.0	103	719	950	85	26	1.1	0.0	0.0	0.0	7
8	0.0	0.0	0.0	220	982	925	77	24	0.8	0.0	0.0	0.0	8
9	0.0	0.0	0.0	124	1,370	516	70	23	0.4	0.0	0.0	0.0	9
10	0.0	0.0	0.0*	66	904	376	64	21	0.3	0.0	0.0	0.0	10
11	0.0	0.0	0.0	57	391	266	60	21	0.1	0.0	0.0	0.0	11
12	0.0	0.0	0.0	52	975	194	55	20	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	45	1,390	171	52	19	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	39	559	156	50	18	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	34	336	184	45	18	0.0	0.0	0.0	0.0	15
16	0.0*	0.0	0.0	27	225	412	44	17	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	23	160	653	39	16	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	19	123	1,460	36	16	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	16	263	1,260	35	14	0.0*	0.0	0.0	0.0	19
20	0.0	0.0	0.0	14	274	638	34	14	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	12	191	1,370	32	13	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	9.2	151	1,600	29	13	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	7.7	119	930	32	13	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	7.4	96	887	85	12	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	7.1	79	1,380	82	11	0.0*	0.0	0.0	0.0	25
26	0.0	0.0	0.0	7.1	69	681	60	9.7	0.0	0.0	0.0	0.0	26
27	0.0	0.0	74	6.8	61	443	51	8.9*	0.0	0.0	0.0	0.0	27
28	0.0	0.0	112	6.5	56	319	46	8.3	0.0	0.0	0.0	0.0	28
29	0.0	0.0	40	5.7		246	42	7.7	0.0	0.0	0.0	0.0	29
30	0.0	0.0	23	4.9		196	42	6.8	0.0	0.0	0.0	0.0	30
31	0.0		16	11		166		6.1		0.0	0.0		31
MEAN	0.0	0.0	9.8	39.0	453	543	63.5	18.3	0.8	0.0	0.0	0.0	MEAN
MAX	0.0	0.0	112	239	1,390	1,600	138	37.0	5.5	0.0	0.0	0.0	MAX
MIN	0.0	0.0	0.0	4.9	56.0	55.0	29.0	6.1	0.0	0.0	0.0	0.0	MIN.
AC FT			601	2400	25210	33408	37800	1128	50				AC FT

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY

- E AND *

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	DISCHARGE	GAGE HT	MO	DAY	ACRE FEET
92.0	2900	11.10	03	21	0.0	1.50	10	01	66576

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
39 05 44	122 5' 38"	NW 1/4 NW 10W	11,100	13.38	1-16-74	MAR 68-DATE	MAR 68-DATE	1964	0.00	LOCAL	

Station located at Eickhoff Road bridge, 4.2 mi. NW of Lakeport. Prior to October 1, 1968, gage at site 3.0 mi. upstream. Tributary to Clear Lake via Middle Creek. Flow affected by upstream diversion. Drainage area is 55.2 sq. mi.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	AP1941	CLEAR LAKE, EYRAAL DRIVE BRIDGE, LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2					151								2
3					205								3
4					350								4
5					40								5
6					373								6
7					403	436							7
8					761	439							8
9					1077	403							9
10					1230	194							10
11					594	123							11
12					364								12
13					507								13
14					238								14
15					105								15
16													16
17						25							17
18						503							18
19					136	587							19
20					103	200							20
21						439							21
22						461							22
23						301							23
24						404							24
25						500							25
26						343							26
27						197							27
28						101							28
29													29
30													30
31													31
MEAN MAX. /MIN. AC. FT.					FLOWS OF LESS THAN 100 DAILY MEAN CFS NOT PUBLISHED								MEAN MAX. /MIN. AC. FT.

WATER YEAR SUMMARY

MEAN DISCHARGE

MAXIMUM				
DISCHARGE	GAGE HT	MO.	DAY	TIME

MINIMUM				
DISCHARGE	GAGE HT	MO.	DAY	TIME

TOTAL ACRE FEET

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 10 33	122 54 00	SE6 15N 9W	4970	7.64	1/23/70	NOV 59-SEPT 66 OCT 68-DATE	NOV 59-DATE	1959		0.00	LOCAL
Station located 0.2 mi. above Lake Pillsbury Road bridge, 0.8 mi. N of Upper Lake. Tributary to Clear Lake via Middle Creek. Flows of less than 100 daily mean cfs not published.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	481250	HEAR CREEK NEAR RUMSEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.5	2.9	2.8	7.4	275	33	47	26	7.2	3.4	2.3	1.9	1
2	1.5	2.5	3.7	6.7	486	39	41	25	7.7	4.0	2.3	1.9	2
3	1.5	2.3	10	6.0	142	34	40	25	7.1	4.2	2.2	1.9*	3
4	1.7	2.2	23	5.7	261	31	45	26	5.9	4.2	2.1	2.0	4
5	1.6	2.3	21	5.6	91	36	79	26	5.7	4.2	2.0	1.8	5
6	1.5	2.4	4.5*	11	50	82	99	25	5.5	3.9	2.0	1.6	6
7	1.5	2.5	5.7	18	275	824	77	23	4.9	3.9	1.9	1.4	7
8	1.6	2.9	4.7	20	535	405	72	22	4.8	3.3	1.8	1.4	8
9	1.7	2.6	4.3	20	1,000	163	67	21	4.2	3.1	1.8	1.5	9
10	1.8	2.5	4.1	14	601	150	58	21	4.3	3.1	1.8	1.7	10
11	1.7	2.5	4.1	11	148	114	54	20	3.9	2.9	1.9	1.9	11
12	1.5	2.5	4.5	8.9	766	83	48	18	3.9	2.9	1.9	1.8	12
13	1.4	2.5	4.7	7.7	843	80	46	17	3.9	3.0	1.7	1.5	13
14	1.4	2.5	4.3	7.1	210	107	45	16	3.5	3.0	1.7	1.4	14
15	1.5	2.5	4.2	6.9	119	120	43	16	3.4	3.7	1.7	1.3	15
16	1.5	2.5	4.2	6.6*	41	307	46	16	3.5	4.6	1.6	1.4	16
17	1.6	2.6	4.1	6.2	72	265	43	14	3.6	4.5	1.7	1.4	17
18	1.6*	2.7	4.0	6.0	63	921	40	13	3.5	4.8	1.8	1.4	18
19	1.6	2.8	3.9	5.7	71	326	38	12	3.8	4.8	2.4	1.3	19
20	1.7	2.6	3.9	5.3	73	192	36	12	4.4	4.3	2.8*	1.3	20
21	1.6	3.1	3.9	5.2	53	1,460	35	12	3.9	3.8*	2.2	1.3	21
22	1.5	3.2	3.9	5.0	46	697	33	11	3.6	3.5	2.0	1.3	22
23	1.6	2.7	3.9	4.8	42	301	32	11	3.6	3.3	1.8	1.3	23
24	1.7	2.7	3.7	4.8	40	269	37	10	3.4	2.9	1.8	1.3	24
25	1.8	3.0	3.7	4.8	39	389	45	9.2	3.7*	2.8	1.7	1.2	25
26	1.8	3.1	3.8	4.8	36	202	38	8.9	3.7	2.6	1.7	1.2	26
27	2.1	2.9	4.7	4.5	35	164	32	8.5	3.3	2.5	2.1	1.2	27
28	3.0	2.9	3.6	4.3	33	135	29	7.9	3.0	2.5	2.0	1.2	28
29	3.2	2.8	2.4	4.3		118	28	7.5	2.8	2.4	2.0	1.2	29
30	2.4	2.8	13	4.3		109		8.0	2.6	2.4	1.8	1.3	30
31	2.7		9.1	7.3		98		7.7		2.4	1.9		31
MEAN	1.8	2.7	7.6	7.7	234	266	52.0	16.0	4.3	3.4	1.9	1.5	MEAN
MAX	3.6	3.2	30.0	20.0	1,000	1,460	99.0	26.0	7.7	4.8	2.8	2.0	MAX
MIN	1.4	2.2	2.8	4.3	33.0	31.0	28.0	7.5	2.6	2.4	1.6	1.2	MIN
AC FT.	110	158	467	476	13043	16372	3096	953	254	211	120	88	AC FT.

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY

- - E AND -

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME
48.9	534.0	9.36	03	21	1800	1.1	1.05	09	26	0200
										ACRE FEET
										35379

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE
			CFS	GAGE HT	DATE			FROM	TO	
38 56 47	122 20 48	SW 30 13N 4W	9,270	11.93	1-5-1965	SEPT 1955-DATE	SEPT 1955-DATE	1955		0.00
Station located 7.3 miles northwest of Rumsey, 1.4 miles above mouth. Tributary to Cache Creek. Drainage area is 100 square miles.										
								LOCAL		

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A81200	CACHE CREEK ABOVE RUMSEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN MAX. MIN. AC. FT.													MEAN MAX. MIN. AC. FT.

DATA INSUFFICIENT TO COMPUTE DISCHARGE

WATER YEAR SUMMARY

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
38 54 47	122 16 14	SE 2 12N 4W	43,400	19.59	1-24-1970	OCT 59-SEPT 63 JUN 65-DATE	OCT 59-DATE	1959		0.00 LOCAL
Station located 0.4 mile below State Highway 16 bridge, 2.5 miles northwest of Rumsey. Flow regulated by Clear Lake. Drainage area is 955 square miles. Station discontinued July 3, 1975.										

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	455010	POPE CREEK NEAR POPE VALLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.2	7.8	5.7	11	20.9	32	101	26	4.0	2.4	1.5	0.8	1
2	5.7*	5.0	7.3	9.0	60.2	53	48	23	6.2	2.6	1.3	0.8	2
3	6.0	3.4	21	8.0	281	41	87	21	7.5	2.6	1.2	0.8*	3
4	6.8	1.9	4	7.4	481	34	99	20	5.7	2.6	1.0	0.8	4
5	7.0	1.9	15	7.0	220	34	106	19	5.3	2.7	0.9	0.7	5
6	6.8	1.5	1	131	178	39	118	20	5.6	2.6	0.9	0.7	6
7	7.5	1.8	6.8	58	544	735	99	18	6.3	2.5	0.8	0.8	7
8	8.2	2.2	7.3	141	916	1,010	78	18	6.1	2.4	0.8	0.8	8
9	6.2	1.7	6.6	44	1,330	332	72	17	5.4	2.1	0.7	0.9	9
10	7.6	1.8	6.0	26	834	323	64	15	5.0	2.0	0.7	1.2	10
11	7.5	1.6	6.4	18	266	206	58	14	4.3	2.0	0.7	1.1	11
12	7.2	1.6	5.2	13	1,790	141	51	14	4.3	2.0	0.6	1.0	12
13	7.9	1.5	4.2	10	2,400	123	47	12	4.2	1.9	0.7	1.0	13
14	8.6	1.5	4.5	7.9	464	124	44	11	3.7	1.9	0.7	0.9	14
15	7.9	1.6	4.3	6.4	241	177	41	12	3.7	2.4	0.7	0.8	15
16	8.9	1.8	4.1	5.7*	163	320	43	13	4.1	3.0	0.9	0.7	16
17	9.2	2.0	4.1	4.4	121	437	42	11	4.5	3.0	1.0	0.8	17
18	8.6	2.6	4.1	4.1	92	1,270	39	11	5.2	2.7	0.9	0.8	18
19	8.2	2.6	4.1	3.6	144	865	35	10	5.4	2.4	0.9	0.8	19
20	8.0	2.4	4.1	3.1	148	402	33	9.4	5.1	2.2	1.0*	0.8	20
21	7.7	5.0	3.3	2.8*	91	1,490	31	9.1	3.7	1.9*	0.8	0.8	21
22	7.5	12	3.7	2.4	70	1,030	29	8.6	3.1	1.7	0.7	1.1	22
23	7.5	8.8	3.6	2.4	58	442	30	8.6	3.0	1.6	0.6	1.0	23
24	8.1	5.7	3.6	2.2	51	485	49	8.7	3.3	1.6	0.6	0.8	24
25	8.4	6.0	3.6	2.2	47	973	41	7.8	3.0	1.6	0.6	0.9	25
26	9.0	5.0	3.6	2.0	40	382	45	7.7	2.9*	1.5	0.7	2.3	26
27	9.9	4.4	6.6	2.0	37	266	41	7.5	2.7	1.3	0.7	5.0	27
28	14	4.1	1.2	2.0	34	205	37	7.0	2.8	1.3	0.8	3.6	28
29	11	3.8	37	2.0	168	168	30	6.3	2.5	1.6	0.7	2.8	29
30	10	3.6	2	5.0	147	147	27	6.3	2.3	1.6	0.7	2.5	30
31	10		14	42		119		5.5		1.6	0.8		31
MEAN	8.2	3.6	1.8*	17.9	423	416	59.5	12.8	4.4	2.1	0.8	1.3	MEAN
MAX	14.0	12.0	1.2	141	2,400	1,930	118	26.0	7.5	3.0	1.5	5.0	MAX
MIN	5.7	1.5	3.6	2.0	34.0	32.0	27.0	5.5	2.3	1.3	0.6	0.7	MIN
AC FT	508	212	1,200	1102	23534	25595	39540	748	261	130	51	75	AC FT

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY

- E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT	MO	DAY	TIME	DISCHARGE	MINIMUM GAGE HT	MO	DAY	TIME	TOTAL ACRE FEET
74.5	7361	13.65	13	21	1630	0.6	2.64	08	12	0930	56817

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R N D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
38 37 48	122 19 52	SW 17 9N 4W	18,000 E	19.79	1-31-1963	DEC 1960-OATE	DEC 1960-OATE	1960	0.00	LOCAL	

Station located 5.2 miles east of Pope Valley. Tributary to Lake Berryessa. Drainage area is 78.3 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO	STATION NAME
1975	409115	PUTAH CREEK, SOUTH FORK, NEAR DAVIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10	6.2	13	19	96	18	1,020	64	26	10	2.2	5.4	1
2	10	5.3	18	19	738	20	956	54	24	16	2.2	5.5	2
3	13	7.2	25	19	196	24	880	47	35	15	2.4	3.1	3
4	11	8.9	19	19	215	26	879	47	34	11	3.3	1.6	4
5	9.5	6.7	15	18	224	28	880	61	29	10	5.0	1.4	5
6	9.1	5.2	14	19	146	34	793	46	30	12	7.3	1.3	6
7	13	7.3	14	20	50	49	723	41	29	9.1	7.3	2.3	7
8	10	8.9	14	19	130	1,080	716	46	26	7.3	2.8	2.7	8
9	8.2	7.0	15	20	291	249	776	50	24	14	1.6	3.3	9
10	10	5.8	15	21	350	165	766	55	21	16	1.2	1.3	10
11	11	6.2	15	21	192	109	528	40	17	16	2.2	1.4	11
12	9.5	9.0	15	21	127	45	472	33	12	14	4.0	1.4	12
13	9.3	11	15	21	1,210	37	362	38	10	8.5	5.4	1.2	13
14	7.4	11	15	23	263	38	306	34	17	4.8	7.0	1.2	14
15	10	8.0	15	23	164	37	307	32	14	7.0	11	3.0	15
16	11	7.4	15	22	52	136	290	30	14	14	12	3.6	16
17	9.9	8.0	15	22	63	129	211	37	14	11	9.9	3.7	17
18	9.0	8.4	15	21	67	37	755	31	17	7.0	11	4.1	18
19	9.3	8.1	15	21	49	291	225	32	17	11	11	5.8	19
20	9.1	7.4	15	21	31	2,330	218	34	19	11	9.8	4.5	20
21	8.4	11	15	21	19	2,644	220	48	15	8.8	8.9	2.6	21
22	8.2	12	15	21	16	4,530	122	48	20	13	6.5	2.6	22
23	4.5	8.9	15	21	17	4,260	64	38	18	12	5.3	2.4	23
24	3.4	10	15	21	17	4,080	71	32	16	9.2	6.1	2.9	24
25	3.1	12	15	21	18	4,170	68	36	16	5.2	7.2	2.6	25
26	2.9	12	15	21	17	4,050	125	36	14	3.4	8.6	2.1	26
27	3.0	12	21	20	17	3,260	45	34	16	3.4	9.6	1.6	27
28	8.4	12	40	21	10	1,450	69	26	20	5.0	10	1.4	28
29	8.0	12	38	21	10	1,370	56	23	14	3.9	8.1	1.7	29
30	6.5	13	43	22	10	1,260	57	20	11	2.7	5.6	2.8	30
31	6.9	21	21	32	10	1,130	10	25	11	2.4	3.9	3.0	31
MEAN	6.9	8.9	18.1	21.0	108	1,195	410	39.7	19.8	9.5	6.4	2.7	MEAN
MAX	18.0	13.0	48.0	32.0	1,210	4,530	1,020	64.0	35.0	16.0	12.0	5.8	MAX
MIN	2.9	5.2	13.0	18.0	16.0	18.0	56.0	21.0	11.0	2.4	1.2	1.2	MIN
AC FT	545	532	1111	1291	9376	73480	74785	2440	1180	584	394	159	AC FT

WATER YEAR SUMMARY

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF FLOW MADE THIS DAY
 - E AND *

MEAN	MAXIMUM	MINIMUM	TOTAL
DISCHARGE	DISCHARGE	DISCHARGE	ACRE FEET
106.1	5460	13.26	115876
	GAGE MT	MO DAY TIME	
	03 22 0130		
	DISCHARGE	GAGE MT	MO DAY TIME
	0.9	2.56	09 14 0500

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R MO B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CF5	GAGE HT	DATE			FROM	TO		
38 31 02	121 45 21	NE 26 EN 2E	14,700	16.48	1-24-1970	OCT 1957-DATE	OCT 1957-DATE	1957		24.57	USCGS

Station located at low water bridge, 0.5 mile below Interstate 80 bridge, 2.3 miles southwest of Davis. Tributary to Yolo Bypass. Treatment plant at the University of California at Davis discharges into the channel 100 feet upstream from gage. There is little or no flow 1,000 feet upstream from station during periods of heavy upstream diversion.

(IN CUBIC FEET PER SECOND)

(IN CUBIC FEET PER SECOND)

MEAN	11.5	6.1	109	17.4	3,802	8,181	1,300	246	8.2	3.2	1.1	106
MAX.	35	20	642	144	22,100	32,000	3,600	993	60	19	1.8	200
MIN.	5.0	5.0	4.9	1.1	67	216	44	1.0	0.9	1.8	0.1	1.0
AC. FT.	709	366	6,700	1,070	221,200	503,000	77,350	15,110	489	198	67	6,330

WATER YEAR SUMMARY

NR - NO RECORD

★ — DISCHARGE

OBSERVATION OF NO FLOW

- E AND *

**MEAN
DISCHARGE**
1,136

MAXIMUM				
DISCHARGE	GAGE HT.	MO.	DAY	TIME
36,500	25.70	3	25	1530

MINIMUM				
DISCHARGE	GAGE HT.	MO.	DAY	TIME

TOTAL
ACRE FEET
822,600

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1 4 SEC T & R M D B 8 M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO GAGE	REF DATUM	
			CF8	GAGE HT	DATE			FROM	TO			
38 40 40	121 38 35	SE 28 10N 3E	272,000	32.00	2-8-1942	MAR 30-OCT 38 JAN 1939-DATE	1940-1941# 1941-DATE	1930 1941 1941	1941	0.73 0.00 -3.41	USED USED USGS	

Station located just above the Sacramento-Woodland Railroad bridge, 6 miles above the Sacramento Bypass, 7 miles below Fremont Weir, 7 miles east of Woodland. Supplementary water stage recorder, located 7 miles downstream, used for computations during periods of low flow. Stage-discharge relationship at supplementary recorder location at times affected by tidal action. Records furnished by U. S. Geological Survey.

- Irrigation season only.
- Flood season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	B07020	SAN JOAQUIN RIVER NEAR VERNALIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3,760	4,710	3,860	3,580	4,290	3,830	6,420	2,510	4,980	2,030	1,430	1,930	1
2	3,830	4,830	4,000	3,480	4,250	3,750	5,800	2,360	5,860	1,930	1,400	1,790 *	2
3	3,560	5,140	4,200	2,850	3,540 *	3,850	5,060	2,330	6,550	1,860	1,430	1,770	3
4	3,400	5,240	4,650	3,680	3,610	3,580	4,450	3,090	7,350	1,930	1,430	1,710	4
5	3,330	5,180	4,640 *	3,890	4,790	3,750	4,100	3,660	7,570	1,970	1,420	1,890	5
6	3,120	4,580	4,740	3,550	6,080	3,930	3,990	3,690	7,070	2,040	1,350	2,130	6
7	2,990	3,860	5,010	2,920	6,910	4,270	4,140	3,910	7,350	2,030	1,400	2,380	7
8	2,970	3,680	5,070	3,770	7,250	4,640	4,320	4,060	7,560	1,910	1,440	2,500	8
9	2,920 *	3,670	5,030	3,880 *	7,200	4,860	4,880	4,000	7,880	2,020	1,470	2,460	9
10	2,770	3,660	4,940	3,940	6,870	5,000	5,110	3,960	8,100	1,980	1,490	2,340	10
11	2,600	3,610	4,890	4,050	6,950	5,060	5,100	3,670	8,000	1,740	1,550	2,470	11
12	2,860	3,600 *	4,860	4,060	7,140	5,610	4,960	3,570	7,510	1,680	1,520	2,570	12
13	3,040	3,610	4,840	3,590	7,110	5,800	4,740	3,440	6,030	1,680	1,640	2,770	13
14	3,040	3,640	4,830	2,950	7,800	5,730	4,560	3,690	6,120	1,630	1,400	2,800	14
15	2,940	3,590	4,840	3,740	8,820	6,350	4,240	3,840	7,160	1,560	1,350	2,800	15
16	2,690	3,620	4,840	4,020	8,670	6,300	3,880	3,970	7,740	1,550	1,340	2,910	16
17	3,020	3,680	4,730	4,120	7,950	6,230	3,470	4,070	7,840	1,650	1,480	2,810	17
18	3,220	3,670	4,350	4,160	7,120	6,380	3,340	4,240	8,040	1,670	1,850	2,760	18
19	3,140	3,670	4,130	4,080	6,710	6,070	3,220	4,340	7,810	1,760	2,270	2,790	19
20	3,060	3,660	4,010	3,610	6,830	6,330	3,240	4,350	6,600	1,780	2,420	2,940	20
21	3,080	3,480	3,940	2,990	6,610	6,590	3,310	4,550	4,380	1,760	2,300	2,980	21
22	3,140	3,400	3,690	3,940	6,300	6,620	3,190	4,650	3,480	1,620	2,230	2,980	22
23	3,560	3,340	3,130	4,230	6,010	7,070	3,070	4,550	3,130	1,460	2,220	2,950	23
24	4,120	3,340	2,870	4,350	5,410	7,040	2,970	4,470	2,860	1,470	2,200	3,010	24
25	4,380	3,500	3,080	4,340	5,030	6,530	2,890	4,530	2,700	1,630	2,090	3,060	25
26	4,560	3,600	3,250	4,140	5,460	6,930	2,900	4,580	2,440	1,490	1,760	3,210	26
27	4,570	3,740	2,890	3,550	4,990	7,010	2,950	4,540	2,350	1,350	1,710	3,250	27
28	4,530	3,830	3,360	3,000	4,240	6,740	2,970	4,390	2,290	1,500	1,710	3,250	28
29	4,620	3,830	3,740	3,880	6,630	2,810	4,580	2,260	1,440	1,440	1,640	3,210	29
30	4,770	3,760	3,670	4,150	6,820	2,630	4,630	2,240	1,460	1,620	3,150	3,150	30
31	4,820		2,930	4,270	6,920		4,700		1,490	1,740			31
MEAN	3,497	3,891	4,162	3,766	6,212	5,685	3,957	3,972	5,708	1,718	1,680	2,652	MEAN
MAX.	4,820	5,240	5,070	4,350	8,820	7,070	6,420	4,700	8,100	2,040	2,420	3,250	MAX.
MIN.	2,600	3,340	2,870	2,850	3,610	3,580	2,630	2,330	2,240	1,440	1,340	1,710	MIN.
AC. FT.	215,000	231,500	255,900	231,600	345,000	349,500	235,500	244,200	339,600	105,700	103,300	157,800	AC. FT.

WATER YEAR SUMMARY

§ - ESTIMATED
 NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW

- E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MINIMUM DISCHARGE	TOTAL
3,888	DISCHARGE 9,080 GAGE HT. 18.60 MO. 2 DAY 15 TIME 1845	DISCHARGE 1,340 GAGE HT. 10.24 MO. 8 DAY 16 TIME 1815	ACRE FEET 2,815,000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	OATE			FROM	TO		
37 40 34	121 15 55	NW 13 3S 6E	79,000	32.81	12-9-1950	JUL 22-DEC 23 B JAN 24-FEB 25 JUN 25-OCT 28 B MAY 29-DATE	JUL 22-DEC 23 B JAN 24-FEB 25 JUN 25-OCT 28 B MAY 29-DATE	1931	1959	5.06	USCGS
										0.00	USCGS
										3.3	USED

Station located on left bank 12 feet downstream from Durham Ferry highway bridge, 2.6 miles downstream from Stanislaus River, and 3.2 miles northeast of Vernalis. Maximum discharge listed at site then in use and present datum. Records furnished by U. S. Geological Survey. Drainage area is 13,540 square miles.

B - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	114	66	1.4	1.1	3.2	25	110	63	74	75	34	38	1
2	110	40	4.6	0.9	9.2	74	100	62	65	65	55	59	2
3	117	22	6.0	0.6	10	22	98	51	53	57	65	59	3
4	136	15	21.3	1.0	16	27	47	65	59	55	59	48	4
5	96	10	4.6	0.7	85	45	107	92	67	55	40	85	5
6	109	7.4	43	3.0	136	51	110	62	62	59	31	86	6
7	154	6.8	33	4.7	106	44	116	70	92	81	25	94	7
8	130	6.2	2.6	4.6	167	359	145	58	92	85	39	104	8
9	120	4.6	21	5.5	286	507	125	51	77	84	52	117	9
10	117	3.3	20	3.4	445	584	108	56	72	68	38	131	10
11	110	2.5	17	4.4	507	524	92	54	61	70	53	134	11
12	131	1.1	15	3.2	538	231	84	59	33	54	50	154	12
13	87	0.8	11	5.7	644	157	93	50	41	65	51	160	13
14	90	0.8	14.2	14	1,070	782	67	67	69	54	67	160	14
15	86	1.0	6.5	12	611	644	46	7	72	70	74	160	15
16	77	3.4	5.2	11	430	493	85	84	75	65	69	141	16
17	61	1.5	5.4	8.2	346	702	83	79	79	99	104	154	17
18	74	0.1	4.4	6.9	136	1,078	109	81	109	88	92	129	18
19	81	0.1	2.9	4.6	49	368	96	79	84	91	94	117	19
20	74	0.1	2.0	6.5	77	194	84	63	101	79	84	115	20
21	69	0.1	2.0	19	78	147	77	86	101	46	50	120	21
22	61	7.2	3.2	17	92	758	57	88	102	35	39	107	22
23	63	22	2.0	13	61	1,490	80	79	84	29	33	107	23
24	80	9.7	1.7	8.5	47	853	46	5	86	48	51	125	24
25	80	5.9	2.0	7.0	39	793	107	91	84	55	59	112	25
26	80	3.4	1.5	5.3	34	1,530	124	95	96	38	43	120	26
27	58	3.0	1.2	4.9	31	722	99	104	99	53	57	117	27
28	25	3.3	1.0	4.1	27	408	90	122	104	43	48	124	28
29	56	2.8	1.1	2.8		778	69	107	63	45	50	125	29
30	37	1.7	1.3	2.6		194	63	85	53	51	55	107	30
31	28		1.1	2.2		144		74		59	63		31
MEAN	86.7	8.4	19.7	6.1	221	457	93.6	74.0	77.4	62.0	56.3	113	MEAN
MAX	154	66.0	210	19.0	1,070	1,530	145	122	109	99.0	104	160	MAX
MIN	25.0	0.1	1.0	0.6	3.2	22.0	44.0	50.0	33.0	29.0	25.0	38.0	MIN
AC FT	5332	499	1209	374	12275	28134	5572	4552	4664	3810	3459	6762	AC FT

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY

- E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL	
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE	FEET
105.8	1680	8.49	03	26	0445	0.0	2.82	11	18	2330	76580	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
37 52 52	121 14 53	NE 6 1S 7E	3,390	6.31	12-9-1950	JAN 50-MAY 50 OCT 50-DATE	JAN 50-MAY 50 OCT 50-DATE	1950 1955	0.00 4.00	LOCAL LOCAL	

Station located 125 feet below Airport Way bridge, 1.5 miles east of French Camp. Prior to November 1968, station was located on Airport Way bridge, 1.5 miles east of French Camp. During periods when backwater from a temporary diversion dam affects the stage-discharge relationship, a supplementary water stage recorder, located 0.5 mile downstream on the bypass, is used for computations. Tributary to San Joaquin River. Maximum discharge listed at site and datum then in use.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT	DAY
1	8.8	2.4	0.0	0.0	0.2	0.1	0.0	3.1	11	11	14	17	1
2	9.2*	2.2	0.0	0.0*	2.3	0.0	0.6	3.2	9.5	9.9	12	15	2
3	12	2.6	19 *	0.0	2.6	0.0	0.4	4.7	9.3	8.9	11	15	3
4	4.7	1.0	17	0.0	0.8	0.0	0.3	3.3	9.9	10	9.7	15	4
5	6.6	1.1	8.6	0.0	4.4	0.4	0.6	5.9	10 *	9.5	9.6	15	5
6	4.4	0.6	14	0.1	16	0.2	0.2	4.2	11	8.8	11	14	6
7	1.3	0.3	9.2	0.1	1.3	0.3	0.0	8.2	12	8.9	13	14	7
8	2.4	0.1	4.6	0.3	4.3	9.0	0.0	11	12	10	16	16	8
9	2.8	0.0	2.0	0.1	8.5	9.5	0.0	14	9.6	9.3	18	15	9
10	3.9	0.0	1.2	0.0	11.1	3.8	0.0	12	11	9.4	18	14	10
11	3.7	0.0	1.7	0.0	7.3	2.8	0.0	9.1	11	8.3	15	15	11
12	7.4	0.0	0.3	0.0	2.3	2.0	0.0	5.0	15	9.7	16 *	17	12
13	6.3	0.0	0.2	0.0*	15.5	1.5	0.0	4.6	14	12	17	18	13
14	6.8	0.0	0.1	0.0	14.6	21.0	0.0	9.8	10	13	17	18	14
15	4.0	0.0	0.0	0.0	3.3	4.8	0.0	1.3	11	14	19	19	15
16	5.8	0.0	0.0	0.0	1.3	8.5	0.0	11	10	15	18	18	16
17	7.0	0.0	0.0	0.0	7.1	5.8	0.0	12	9.4	16	13	13	17
18	7.8	0.0	0.0	0.0	5.4	1.9	0.0	1.3	7.9	18	17	13	18
19	8.5	0.0	0.0	0.0	5.0	9.3	0.0	1.3	8.5	14	12	12	19
20	9.0	0.0	0.0	0.0	4.0	6.0	0.3	1.3	9.8	15	6.8	12	20
21	4.1	0.0	0.0	0.0	1.9	5.4	0.9	1.2	12	15 *	6.3	13	21
22	4.4	0.0	0.0	0.0	1.4	13.9	0.7	1.1	12	14	7.7	12	22
23	5.0	0.0	0.0	0.0	1.0	6.9	1.1*	9.9	10	13	9.4	9.0	23
24	4.3	0.0	0.0	0.0	0.6	2.6	1.1	11	7.4	12	10	8.4	24
25	4.7	0.0	0.0	0.0	0.5	2.7	1.4	11	6.7	10	10	8.4	25
26	4.2	0.0	0.0	0.0	0.4	6.4	1.8	1.3	7.6	9.7	9.2	10	26
27	6.5	0.0	0.0	0.0	0.3	2.0	1.9	1.5	7.2	9.8	10	13	27
28	6.4	0.0	0.0	0.0	0.2	11	3.2	1.3	8.6	10	15	11	28
29	3.9	0.0	0.0	0.0	0.0	4.8	4.3	1.4	11	11	17	9.8	29
30	3.0	0.0	0.0	0.0	0.0	2.4	2.9	1.2	9.8	15	16	7.4	30
31	3.4	0.0	0.0	0.0	0.0	2.3	1.3	1.3	17	17	16	16	31
MEAN	5.7	0.3	2.5	0.0	26.8	35.3	0.8	11.0	10.2	11.8	13.3	13.4	MEAN
MAX	12.0	2.6	19.0	0.3	15.5	21.0	4.3	15.0	15.0	18.0	19.0	19.0	MAX
MIN.	1.3	0.0	0.0	0.0	0.2	0.0	0.0	1.1	6.7	8.3	6.3	7.4	MIN
AC FT	353	20	153	1	1486	2168	45	613	605	728	819	807	AC FT

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- - E AND *

MEAN		MAXIMUM				MINIMUM				TOTAL	
DISCHARGE		454		DADE HT		DISCHARGE		1.77		ACRE FEET	
14.8		5.35		03 14		0.0		11 09		779.7	
				TIME				2330			
				0400							

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R MO B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF	OATUM
			CFS	GAGE HT	OATE						
37 55 30	121 15 02	NE 35 1N 7E	782	6.51	1-16-1973	JAN 30-APR 50 OCT 50-APR 51 OCT 51-OCT 70 OCT 71-DATE	JAN 30-APR 50 OCT 50-APR 51 OCT 51-OCT 70 OCT 71-DATE	1950 1953 1953 1957 1957 1965 1965	0.00 0.00 0.00 0.00	LOCAL LOCAL LOCAL LOCAL	
Station located 35 feet below B Street Bridge, immediately south of Stockton. Prior to November 10, 1965, station located at Laurel Avenue, 0.2 mile upstream from present location. Tributary to San Joaquin River via French Camp Slough. During high flow, water from Duck Creek enters Mormon Slough approximately 2 miles east of the head of Stockton Diverting Canal. Discharge listed does not include this overflow. Flow regulated by gravity culverts which divert to Littlejohn Creek.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	802520	CALAVERAS RIVER NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.0	1.0	14	0.1				NR	38	23	25	18	1
2	13 *	1.2	15	NR				NR	27	22	24	19	2
3	16	1.3	17	NR				NR	37	9.3	18	28	3
4	20	1.3	14 *	NR				NR	44	17	20	26	4
5	12	1.3	12	NR				NR	35 *	28	13	32	5
6	13	2.1	10	NR				15	18	25	12	22	6
7	8.0	3.6	8.4	NR				12	25	13	32	23	7
8	4.3	12	8.0	NR				6.2	32	24 *	51	24	8
9	21	14	7.5	NR				1.3	31	18	63	19	9
10	18	16	7.2	NR	N	N	N	34	13	18	74	16	10
11	13	17	6.8	NR	O	O	O	57	9.7	31	52	11	11
12	5.4	17	6.4	NR				55	8.9	21	26 *	17	12
13	3.0	17	6.3	NR				46	12	19	15	17	13
14	2.3	17	5.8	NR				8.5	32	11	10	23	14
15	2.0	17	4.7	NR	R	R	R	4.3	26	12	27	16	15
16	1.8	17	4.0	NR	E	E	E	23	25	17	27	11	16
17	7.7	17	3.8	NR				27	16	33	35	19	17
18	15	16	3.5	NR	C	C	C	18	8.7	38	39	4.9 *	18
19	5.4	16	3.1	NR				17	6.5	32	39	1.7	19
20	0.5	17	1.9	NR	O	O	O	24	14	21	31	1.3	20
21	0.0	19	1.8	NR	R	R	R	17	24	14	28	1.4	21
22	1.8	18	1.5	NR				3.0	30	7.8	25	2.9	22
23	0.8	17	1.5	NR	O	D	D	1.6	24	14	26	3.4	23
24	0.0	17	1.5	NR				1.5	17	16	27	3.2	24
25	6.1	17	1.5	NR				36	20	31	20	5.5	25
26	1.3	17	1.4	NR				41	21	27	20	6.5	26
27	0.0	17	1.4	NR				44	19	22	17	6.7	27
28	0.3	15	1.5	NR				23	14	26	8.1	11	28
29	0.0 *	14	1.0	NR				18	21	23	13	9.5	29
30	0.0	14	0.9	NR				23	27	18	49	8.1	30
31	0.0		0.9	NR				19		22	52		31
MEAN	6.4	12.9	5.4	NR	NR	NR	NR	NR	22.5	21.1	29.6	13.6	MEAN
MAX.	21.0	19.0	17.0	NR	NR	NR	NR	NR	44.0	38.0	74.0	32.0	MAX.
MIN.	0.0	1.0	0.9	NR	NR	NR	NR	NR	6.5	7.8	8.1	1.3	MIN.
AC FT.	394	767	346	NR	NR	NR	NR	NR	1340	1295	1821	807	AC FT.

WATER YEAR SUMMARY

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- E AND *

MEAN DISCHARGE NR	MAXIMUM DISCHARGE NR	MINIMUM DISCHARGE NR	TOTAL ACRE FEET NR
DISCHARGE NR	GAGE HT MO DAY TIME	GAGE HT MO DAY TIME	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE NT	DATE			FROM	TO		
38 01 14	121 13 45	SE 17 2N 7E	760 E	12.61	1-6-1965	DEC 1948-DATE	DEC 1948-DATE	1948	1949	0.00	LOCAL
								1949	1950	0.00	LOCAL
								1950	1952	0.00	LOCAL
								1952	1955	2.00	LOCAL
								1955	1959	0.00	LOCAL
								1959	1965	0.00	LOCAL
								1965		0.00	LOCAL

Station located below Solari Road bridge, 5 miles northeast of Stockton. Prior to October 28, 1965, station located 0.5 mile above U. S. Highway 99 bridge, 1.5 miles downstream from present location. Flows are regulated by diversion dam at Bellota operated by Stockton East San Joaquin Water Conservation District. Maximum discharge listed at site and datum then in use.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO	STATION NAME
1975	802560	MORMON SLOUGH AT BELLOTA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	26	429	98	30	21	49						1
2	NR	26	423	60	63	26	43						2
3	NR	26	459	40	92	23	65						3
4	NR	26	452	33	77	22	65						4
5	NR	49	443	30	96	24	74						5
6	NR	134	442	28	73	30	86						6
7	NR	197	442	29	66	89	78						7
8	NR	289	436	38	75	1,260	76						8
9	NR	331	433	43	196	1,220	85						9
10	NR	345	433	39	257	1,050	85	N	N	N	N	N	10
11	NR	350	401	43	162	1,040	83						11
12	NR	350	416	40	89	1,010	83	O	O	O	O	O	12
13	NR	350	428	38	566	1,380	82						13
14	NR	350	433	35	321	1,680	74						14
15	NR	353	433	33	126	1,490	70	R	R	R	R	R	15
16	NR	347	433	32	83	2,070	68	E	E	E	E	E	16
17	NR	346	436	29	65	2,060	NR						17
18	NR	349	467	28	30	2,000	NR	C	C	C	C	C	18
19	NR	354	415	28	6,0	1,980	NR						19
20	NR	440	425	28	22	1,930	NR	O	O	O	O	O	20
21	NR	437	429	28	52	1,950	NR	R	R	R	R	R	21
22	NR	433	434	29	370	3,770	NR						22
23	NR	429	442	30	448	4,590	NR	D	D	D	D	D	23
24	NR	429	438	30	432	4,130	NR						24
25	NR	426	433	30	199	5,010	NR						25
26	16	425	433	29	175	6,240	NR						26
27	20	435	433	28	81	5,630	NR						27
28	25	429	438	28	42	4,230	NR						28
29	23	429	443	28		1,080	NR						29
30	21	429	423	28		151	NR						30
31	22		187	28		90							31
MEAN	NR	311	425	35.1	153	1,846	NR	NR	NR	NR	NR	NR	MEAN
MAX.	NR	440	467	98.0	566	6,240	NR	NR	NR	NR	NR	NR	MAX.
MIN.	NR	26.0	187	28.0	6.0	21.0	NR	NR	NR	NR	NR	NR	MIN.
AC FT.	NR	18524	26186	2158	8517	113506	NR	NR	NR	NR	NR	NR	AC FT.

WATER YEAR SUMMARY

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF FLOW MADE THIS DAY
 - E AND *

MEAN	MAXIMUM	MINIMUM	TOTAL
DISCHARGE	DISCHARGE	DISCHARGE	ACRE FEET
NR	NR	NR	NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D S & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 03 10	121 00 37	SW 5 2N 9E				DEC 1948-DATE	DEC 1948-DATE	1948	1952	0.00	LOCAL
									1952	0.00	LOCAL

Station located 0.2 mile above Farmington-Bellota Highway bridge, 0.2 mile east of Bellota. Flow regulated by Hogan Reservoir. During irrigation season, flow is reregulated by boards placed across diversion dam immediately downstream, which control diversion of water between the Calaveras River and Mormon Slough. This is flow from Calaveras River which is returned to the river via Stockton Diverting Canal. Flows are computed for the period when boards are not placed across the diversion dam. Drainage area is 470 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

TABLE B-5 (CONT.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR		STATION NO.	STATION NAME	
1975		802580	STOCKTON DIVERTING CANAL AT STOCKTON	

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.9	20	455	117	10	11	53	0.3	7.6	5.0	3.7	14	1
2	1.9*	27	453	44	52	7.6	30	4.6	8.0	5.1	3.6	6.7	2
3	1.6	17	511	14	201	8.2	41	5.4	8.2	5.6	3.8	5.9	3
4	1.6	12	569	8.7	100	8.9	54	5.4	9.3	5.9	2.5	5.8	4
5	1.6	12	470	7.5	168	8.8	48	5.3	11	5.5	5.6	5.5	5
6	2.2	144	450	7.9	95	8.8	79	4.7	8.5	5.9	22	14	6
7	44	322	447	7.3	54	11	71	4.1*	8.9	15	7.6	9.6	7
8	51	436	446	8.6	191	1.030	61	3.8	9.4	6.1	9.0	7.1	8
9	4.6	493	451	12	301	1.380	76	3.7	9.0	5.5	4.4	6.6	9
10	4.7	510	453	9.7	510	1.120	65	3.2	8.8	4.9	9.6	8.9	10
11	31	507	440	12	384	1.140	48	4.5	8.7	5.2	21	8.4	11
12	10	500	413	21	184	1.100	40	9.9	8.9	9.2	4.2*	11	12
13	1.9	491	435	22	695	1.260	35	8.4	11	19	3.9	9.0	13
14	0.9	493	443	8.8	724	2.220	31	16	10	24	10	8.1	14
15	0.7	481	451	6.1	234	1.610	23	17	9.6	9.3	9.3	12	15
16	1.5	477	451	6.1	116	2.110	23	9.3	9.2	8.8	5.2	12	16
17	2.0	469	470	5.9	63	2.060	16	12	8.2	8.6	NR	21	17
18	1.7	462	441	5.7	38	1.910	4.8	14	13	8.6	NR	11	18
19	1.6	460	463	5.5	8.4	1.850	2.9	10	12	8.4	NR	6.9	19
20	0.8	530	458	5.7	3.9	1.830	1.9	9.0	13	9.1	NR	6.4	20
21	0.0	535	478	5.6	39	1.880	0.7	7.5	9.2	9.0*	NR	5.8	21
22	0.0	523	488	5.9	288	3.500	0.0	1	9.0	12	NR	6.0	22
23	13	507	482	6.2	494	4.790	0.0	6.2	11	7.1	NR	5.9	23
24	18	496	479	6.4	526	3.940	0.0	5.6	8.4	6.5	NR	5.6	24
25	0.0	492	482	7.0	286	4.720	0.0	5.3	7.4	6.9	NR	6.0	25
26	3.8	486	483	6.9	214	6.210	0.0	5.3	5.4	5.6	NR	6.1	26
27	11	489	464	6.5	121	5.450	0.0	13	5.0	4.8	4.1	5.9	27
28	18	474	454	7.3	31	4.170	0.0	12	5.0	4.9	21	5.7	28
29	32	467	508	8.0		1.520	0.0	8.4	5.1	5.3	13	5.9	29
30	20	460	513	7.9		268	0.0	5.8	5.2	4.3	4.4	6.1	30
31	15		291	9.1		97		7.8		3.4	3.9		31
MEAN	12.5	393	464	13.3	214	1.644	26.6	7.8	8.8	7.9	NR	8.3	MEAN
MAX	51.0	535	569	117	724	6.210	79.0	17.0	13.0	24.0	NR	21.0	MAX
MIN	0.0	12.0	291	5.5	3.9	7.6	0.0	0.3	5.0	3.4	NR	5.5	MIN
AC FT.	7.9	23385	24586	818	12161	113513	1583	477	522	485	NR	494	AC FT.

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- - E AND -

MEAN		MAXIMUM				MINIMUM		TOTAL	
DISCHARGE	NR	DISCHARGE	GAGE HT	MO	DAY	DISCHARGE	GAGE HT	ACRE	FEET
6,230		12.02		3	26	0.0	2.84	10	21
				0015					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
37 59 12	121 15 30	SE 42 2N 6E	11,400 E	17.10 E	4-4-1958 E	JAN 1944-DATE	JAN 1944-DATE	1954		0.00 LOCAL
Station located 60 feet below Cherokee Lane Bridge crossing over Stockton Diverting Canal. Prior to June 12, 1969, station located 200 feet upstream from U. S. Highway 99E. This water, diverted from the Calaveras River at the head of Mormon Slough, returns to the river via Stockton Diverting Canal into the Sacramento-San Joaquin Delta. For periods of no record, inflows into the Delta are estimated from the station, "Mormon Slough at Bellota".										

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	H02007	HOSHEN SLOUGH NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17	10	0.0	0.0	1.5	0.0	3.4	23	10	20	11	43	1
2	19	0.9	1.2	0.0*	1.3	0.0	3.6	14	19	10	48	2	
3	16	0.0	3.1	0.0	0.6	0.0*	2.9	16	8.4	16	37	3	
4	17	0.0	0.5	0.0	0.4*	0.0	4.2	23	13	19	16	29	4
5	17	0.0	0.7	0.0	0.1	0.2	9.3	29	12	16	14	16	5
6	1*	0.0	0.2	0.6	0.0	0.1	7.6	19	13	20	11	12	6
7	17	0.1	0.0	0.0	0.4	1.3*	5.2	1*	14	14	8.1	11	7
8	32	0.0	0.0	0.4	0.7	1.5	9.0	18	14	13	11	10	
9	36	0.0	0.0	0.0	16 *	0.1	7.3	18	17	12	14	11	9
10	29	0.0	0.0	0.0	16	0.5	2.0	18	11	9.7	12	34	10
11	2*	0.0	0.0	0.0	4.6	0.0	1.3	25	13	9.9	10	34	11
12	18	0.0	0.0	0.0	1.1	0.0	1.2	1*	14	7.8	3.9	33	12
13	20	0.0	0.0	0.0	11	7.6	2.3	10	12	9.3	6.6	41	13
14	26	0.0	0.0	0.0	15	9.1	3.7	9.3	11	9.6	9.9	40	14
15	2*	0.0	0.0	0.0	2.1	5.2	3.1	9.4	12	7.6	19	65	15
16	21	0.0	0.0	0.0	0.2	0.5	13	7.2	13	9.6	17	81	16
17	27	0.0	0.0	0.0	0.0	1.3	17	6.2	7.9	12	16	71	17
18	32	0.0	0.0	0.0	0.0	0.5	18	7.5	4.6	7.4	45	79	18
19	23	0.0	0.0	0.0	0.2	0.2	19	11	5.0*	8.2	61	67	19
20	17	0.0	0.0	0.0	0.0	0.3	18	20	9.5*	13	42	74	20
21	23	0.2	0.0	0.0	0.0	4.2	2*	25	11	13	50	45	21
22	21	0.0	0.0	0.0	0.0	11	19	32 *	11	4.4	26	55	22
23	20	0.0	0.0	0.0	0.0	8.2	16	28 *	14	5.4	23	33	23
24	22	0.0	0.0	0.0	0.0	4.4	11	16	17	5.8	28	57	24
25	19	0.0	0.0	0.0	0.0	5.3	7.0	12	24	4.8	31	63	25
26	1*	0.0	0.0	0.0	0.0	2.6	12	12	21	5.9	16	55	26
27	11	0.0	0.2	0.0	0.0	1.6	19	11	16	9.1	23	58	27
28	13	0.0	0.5*	0.1	0.0	3.2	25	7.9	15	9.4	23	62	28
29	15	0.0	0.0	0.0	0.0	3.5	19	9.5	15	9.5	24	82	29
30	1*	0.0	0.0	0.0	0.0	2.8	15	1*	16	9.2	25	55	30
31	13		0.0	0.5	2.8	2.8		6.2		9.3	42		31
MEAN	20.4	0.4	0.2	0.1	2.5	2.4	10.6	15.7	12.8	10.9	21.4	46.7	MEAN
MAX	36.0	10.0	3.1	0.6	16.0	11.0	25.0	32.0	24.0	20.0	61.0	82.0	MAX.
MIN	11.0	0.0	0.0	0.0	0.0	0.0	1.2	6.2	4.6	4.4	3.9	10.0	MIN.
AC FT	1252	22	13	3	141	147	631	968	762	672	1318	2779	AC FT

WATER YEAR SUMMARY

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- E AND *

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	DISCHARGE	GAGE HT	MO	DAY	ACR FT
12.0	94	3.21	09	29	6.0	1.71	11	03	8708
				0945				2315	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CF5	GAGE HT	DATE						
38 01 42	121 17 40	SE 10 2N 6E	94	3.21	9-29-75	OCT 73 - DATE	FEB 72 - DATE	1972	0.00	LOCAL	

Station located 200 feet below West Lane Bridge, immediately northeast of Stockton. Tributary to San Joaquin River. Floodflows are diverted to Bear Creek six miles upstream from station.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

TABLE B-5 (Cont.)

DAI

MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR														STATION NO.		STATION NAME	
1975														802010		BEAR CREEK NEAR LODI	
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY				
1	17	8.8	0.0	0.6	NR	1.8	14					NR	1				
2	16	2.3	0.0	0.4	NR	6.4	9.4					NR	2				
3	5.0*	1.0	12	0.2	33 *	6.6	8.0					NR	3				
4	5.5	0.4	27 *	0.2	24 *	5.4*	8.1					NR	4				
5	1.1	0.1	7.2	0.1	30	5.7	22						5				
6	0.8	0.0	1.5	0.3	8.6	9.6	48					29	6				
7	0.5	0.0	0.4	0.9	2.1	13 *	44					22	7				
8	1.2	0.1	0.1	1.0	15	57	35					6.0	8				
9	1.0	0.1	0.0	2.0	1,100	150	15					51	9				
10	3.7	0.0	0.1	1.6	533 *	49	9.9	N	N	N	N	45	10				
11	6.3	0.0	0.0	1.1	160	59	7.5	O	O	O	O	41	11				
12	6.3	0.0	0.0	0.9	57	32	7.2					59	12				
13	5.1	0.0	0.0	0.3	797	196	9.4					33	13				
14	5.4	0.0	0.0	0.2	331 *	685 *	7.1					44	14				
15	1.3	0.0	0.0	0.4	83	144	5.7	R	R	R	R	13	15				
16	0.4	0.0	0.0	0.3	36	229	4.0	E	E	E	E	16	16				
17	0.3	0.1	0.0	0.1	17	110	3.5					16	17				
18	0.3	0.0	0.0	0.0	9.7	38	NR	C	C	C	C	7.6	18				
19	0.2	0.0	0.0	0.0	7.0	20	NR					3.6	19				
20	0.2	0.0	0.1	0.0	9.3	13	NR	O	O	O	O	3.8	20				
21	12	0.0	0.0	0.0	11 *	15	NR	R	R	R	R	0.9	21				
22	4.9	0.0	0.1	NR	6.3	444	NR					6.7	22				
23	1.7	0.0	0.0	NR	4.0	156	NR					18	23				
24	4.7	0.0	0.2	NR	3.0	61	NR	D	D	D	D	21	24				
25	0.9	0.0	0.3	NR	2.4	224	NR					20	25				
26	0.4	0.0	0.4	NR	2.0	139	NR					13	26				
27	0.2	0.0	0.4	NR	1.6	41	NR					15	27				
28	0.6	0.0	0.8*	NR	1.4	21	NR					13	28				
29	0.4	0.0	0.4	NR		12	NR					17	29				
30	0.6	0.0	1.0	NR		14	NR					15	30				
31	0.5		1.2	NR		17							31				
MEAN	3.4	0.4	1.7	NR	NR	96.0	NR	NR	NR	NR	NR	NR	MEAN				
MAX	17.0	8.8	27.0	NR	NR	685	NR	NR	NR	NR	NR	NR	MAX				
MIN	0.2	0.0	0.0	NR	NR	1.8	NR	NR	NR	NR	NR	NR	MIN.				
AC FT	207	26	106	NR	NR	5900	NR	NR	NR	NR	NR	NR	AC FT				

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- E AND *

WATER YEAR SUMMARY

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE	NR	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRES	FEET
NR		NR					NR					NR	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFs	GAGE HT	DATE			FROM	TO		
38 04 27	121 12 40	SE 28 3N 7E	4,550	8.33	1-22-1967	DEC 1965-DATE	FEB 1965-DATE	1965		44.45	USCGS
Station located 50 feet above Alpine Road bridge, 5.0 miles southeast of Lodi. Tributary to San Joaquin River via Disappointment Slough. Drainage area is 36.7 square miles. A retractable board dam, 1/2 mile below gaging station, impounds flows during the irrigation season and discharges are not computed for this period. Monthly flows below the dam during its operation are estimated at less than 500 acre-feet.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	B02105	MOKELEPNE RIVER AT WOODBRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	558	762	311	156	72	78	898	1,040	724	557	389	551	1
2	570	686	316	156	75	77	795	1,050	723	420	375	522	2
3	545	653	351	117	59	76	825	1,050	720	424	387	517	3
4	531	652	223	97	49	77	832	1,060	719	432	381	476	4
5	526	649	177	97	41	79	858	1,060	718	433	380	470	5
6	535	551	170	99	33	78	851	1,070	716	439	386	477	6
7	543	541	168	96	38	83	843	1,020	720	437	372	480	7
8	538	537	168	95	36	82	847	738	723	415	364	488	8
9	615	459	169	90	82	79	853	695	731	410	383	514	9
10	595	439	169	89	168	95	854	689	705	400	389	535	10
11	585	434	168	88	86	82	858	697	698	392	403	570	11
12	589	429	168	88	68	76	861	694	669	387	391	557	12
13	595	384	165	88	90	93	864	690	646	409	391	559	13
14	596	366	166	88	106	89	863	675	459	419	405	564	14
15	601	361	167	87	85	69	877	684	464	399	411	596	15
16	619	360	167	87	88	169	1,150	824	580	396	401	576	16
17	643	359	167	87	86	84	1,230	862	1,020	396	406	567	17
18	674	359	167	87	86	319	1,230	867	1,160	402	483	548	18
19	656	358	167	87	86	757	1,240	865	1,170	409	480	542	19
20	652	358	166	87	83	796	1,240	860	1,150	421	502	533	20
21	665	367	165	87	80	821	1,240	865	974	423	496	545	21
22	667	363	165	86	79	712	1,240	922	1,070	425	488	560	22
23	648	360	166	76	76	649	1,170	1,120	916	409	507	606	23
24	669	358	167	67	76	650	1,150	1,060	914	402	505	639	24
25	708	359	167	70	78	803	1,160	1,060	915	418	505	630	25
26	656	357	168	70	78	895	1,160	1,050	915	411	477	626	26
27	655	341	170	68	77	1,410	1,170	1,040	907	417	474	649	27
28	696	333	178	69	78	1,600	1,170	1,020	603	425	474	655	28
29	744	331	159	67	71	1,220	1,150	960	576	413	471	674	29
30	1,060	318	157	65	78	1,090	1,070	734	580	407	479	675	30
31	880		156	69		1,080		724		398	494		31
MEAN	639	439	184	89	76.4	460	1,018	900	781	418	434	563	MEAN
MAX.	1,060	762	351	156	168	1,600	1,240	1,120	1,170	557	507	675	MAX.
MIN.	526	318	156	65	33	69	795	675	464	387	364	470	MIN.
AC. FT.	39,300	26,150	11,320	5,470	4,240	28,300	60,590	55,330	46,450	25,680	26,480	33,520	AC. FT.

WATER YEAR SUMMARY

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E A M G

MEAN DISCHARGE	DISCHARGE	MAXIMUM GAGE HT.	MO	DAY	TIME	DISCHARGE	MINIMUM GAGE HT.	MO	DAY	TIME	TOTAL ACRES FEET
501	1,630	13.05	3	28	0930						363,000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 09 31	121 18 09	NE 34 4N 6E	27,000	29.58	11-22-1950	MAY 24-OCT 25 8 JAN 26-DATE	MAY 1924-DATE	1924	1931	18.9	USCGS
Station located 0.3 mile below county highway bridge, 0.4 mile below dam and canal intake of Woodbridge Irrigation District. Flow regulated by reservoirs and power plants. Records furnished by U. S. Geological Survey. Drainage area is 661 square miles.											
# — Irrigation season only.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR		STATION NO	STATION NAME										
1975		H21140	SUTTER CREEK NEAR SUTTER CREEK										
(IN CUBIC FEET PER SECOND)													
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.9	9.7	6.6	9.0	16	24	80	41	15	6.8	1.2	1.5	1
2	0.9*	6.3	6.6	8.5	132	23	73	39	15	6.0	1.0	1.4	2
3	1.0	5.1	30	8.4	82	21	68	44	15	5.9	1.0	1.1	3
4	1.1	4.7	6	9.1	113	20	69	44	14	5.9	1.0	0.9	4
5	1.3	4.4	24 *	10	86	24	96	40	14	5.7	1.1	0.8	5
6	1.4	4.4	15	42	64 *	32 *	98	37	14	5.0	1.0	0.7	6
7	1.4	5.1	12	58	52	200	95	34	13	5.0	1.0	0.5	7
8	1.3	12	11	123	54	408	94	33	13	4.4	0.8	0.4	8
9	1.5	7.8	9.6	62	339	167	101	31	12	4.2	0.6	0.5	9
10	1.7	6.2	9.0	37	275	117	101	36	11	4.1	0.6	0.5	10
11	1.7*	5.6	8.6	28	120	91	91	29	11 *	3.9	0.6	0.7	11
12	1.6	5.4	8.3	23	85	74	84	28	11	3.8	0.6	0.7	12
13	1.4	5.4	9.7	20	189 *	80	78	28	11	3.7	0.6	0.7	13
14	1.4	5.2	8.8	18	135	86	75	27	10	3.5	0.6	0.6	14
15	1.4	5.2	8.4	16 *	74	87	83	26	9.7	3.4	0.7	0.7	15
16	1.4	4.9	8.7	15	76	184	77	24	9.5	4.1	0.5	0.7	16
17	1.4	4.8	8.4	14	62	129	71	25	9.5	3.9	0.5	0.8	17
18	1.4	4.9	8.1	13	50	101	65	24	9.2	3.6	1.9*	0.7*	18
19	1.4	5.2	8.1	12	55	100	58	23	9.3	3.4	4.5	0.6	19
20	1.6	5.2	7.7	12	81	105	54	22	9.4	3.2	3.5	0.6	20
21	1.8	15	7.7	11	58	147	51	22	9.0	3.2	3.1	0.5	21
22	2.0	26	8.3	10	49	341	48	21	8.5	2.9*	2.8	0.4	22
23	2.1	11	8.1	9.9	43	194	46	20	8.2	2.6	2.3	0.5	23
24	2.3	8.5	7.6	9.9	38	187	62 *	20	9.0	2.3	1.8	0.8	24
25	2.5	8.6	7.6	9.5	34	850	80	20	9.4	2.1	1.4	0.7	25
26	2.4	8.4	7.6	9.5	31	324	64	19	8.4	1.9	1.1	0.4	26
27	2.5	7.7	8.2	9.9	27	202	63	18	7.9	1.7	1.3	0.1	27
28	16	7.3	15	9.4	26	151	48	14	7.7	1.7	1.5	0.0	28
29	19	7.0	13	9.3		121	44	17	7.2	1.5	1.5	0.0	29
30	6.3	6.7	11	9.3		104	43	16	6.9	1.2	1.6	0.4	30
31	6.8		9.5	9.4		91		16		1.2	1.5		31
MEAN	2.9	7.5	11.9	20.8	88.1	154	71.7	27.2	10.6	3.6	1.4	0.6	MEAN
MAX	19.0	26.0	56.0	123	339	850	101	48.0	15.0	6.8	4.5	1.5	MAX
MIN	0.9	4.4	6.6	8.4	16.0	20.0	43.0	16.0	6.9	1.2	0.5	0.0	MIN
AC FT	180	444	730	1280	4891	9493	4264	1670	630	222	86	37	AC FT

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACFE FEET
	DISCHARGE	GAGE HT	MO	DAY	DISCHARGE	GAGE HT	MO	DAY	
33.1	1480	4.01	03	25	0.0	0.49	09	28	23928
				0645				1645	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	FROM	TO	ZERO ON GAGE	REF DATUM
			CF5	GAGE HT	DATE							
38 23 45	120 46 49	SE 5 6N 11E	5,770 E	6.27	1-31-1963	JAN 36-DEC 41 MAR 1960-DATE	JAN 36-DEC 41 MAR 1960-DATE	1936 1938	1936	1938	-4.00 0.00	LOCAL LDAL
Station located 0.4 mile below Volcano Road Bridge, 1.3 miles east of Sutter Creek. Tributary to Cosumnes River via Dry Creek. Drainage area is 48.1 square miles.												

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO	STATION NAME
1975	801520	DRY CREEK NEAR GALT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		7.9	2.8	7.0	12	102	264	111	11	0.0	0.0	0.0	1
2		7.2	2.5	6.4	272	102	234	99	13	0.0	0.0	0.0	2
3		4.1	16	5.3	323	91	213	96	14	0.0	0.0	0.0	3
4		1.8	66	5.2	325	83	206	114	14	0.0	0.0	0.0	4
5		0.2	76	5.2	342	86	461	105	12	0.0	0.0	0.0	5
6		0.0	39	7.1	202	160	697	95	11	2.3	0.0	0.0	6
7		0.0	25	67	168	146	564	89	6.3	6.8	0.0	0.0	7
8		0.0	19	138	198	1,580	422	88	5.1	9.0	0.0	0.0	8
9		3.1	16	211	2,840	1,030	384	81	3.2	4.4	0.0	0.2	9
10	N	6.9	13	100	3,810	562	331	76	4.6	2.1	0.0	4.0	10
11		3.3	11	62	997	417	289	73	2.4	1.7	0.0	11	11
12	O	2.0	10	44	519	310	258	69	0.0	0.1	0.0	4.6	12
13		2.3	9.1	37	2,190	415	234	65	0.0	0.0	0.0	3.0	12
14		3.8	10	32	1,650	1,030	218	53	0.0	0.0	0.0	2.0	14
15	F	8.2	10	28	668	646	217	51	0.0	0.0	0.0	2.3	15
16	L	1.3	9.0	24	425	1,090	213	48	0.0	0.0	0.0	0.5	16
17		0.1	8.1	21	314	809	196	43	0.0	0.0	0.0	0.0	17
18	O	0.0	7.1	20	250	521	175	38	0.0	0.0	0.0	0.0	18
19		0.0	5.5	18	223	388	161	34	0.0	0.0	5.2	0.0	19
20	W	0.0	5.3	16	389	381	153	34	0.0	0.0	4.0	0.0	20
21		0.0	5.6	13	282	340	145	31	0.0	0.0	4.3	0.0	21
22		0.0	4.4	11	213	2,050	134	31	0.0	0.0	1.0	0.0	22
23		16	4.5	10	185	1,160	124	32	0.0	0.0	1.6	0.0	23
24		13	3.0	9.3	168	833	128	30	0.0	0.0	0.0	0.0	24
25		7.9	1.2	8.6	146	2,400	217	31	0.0	0.0	0.0	0.0	25
26		6.5	0.0	8.8	131	2,030	183	31	0.0	0.0	0.0	0.0	26
27		4.8	0.0	8.3	122	987	149	34	7.0	0.0	4.3	0.0	27
28		4.2	0.1	7.7	108	661	129	26	1.0	0.0	7.1	0.0	28
29		3.3	13	7.2	494	120	18	18	0.7	0.0	4.5	0.0	29
30		2.7	17	6.8	396	119	14	10	0.0	0.0	3.9	1.8	30
31			12	6.4	327					0.0	1.4		31
MEAN	0.0	3.7	13.6	30.7	624	697	245	56.5	3.5	0.8	1.2	1.0	MEAN
MAX.	0.0	16	76	211	3,810	2,400	697	114	14	9.0	7.1	11	MAX.
MIN.	0.0	0.0	0.0	5.2	12	83	119	10	0.0	0.0	0.0	0.0	MIN.
AC.FT	0.0	219	837	1,890	34,660	42,860	14,550	3,470	209	52	74	58	AC.FT

WATER YEAR SUMMARY

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW
— E AND *

MEAN	DISCHARGE	MAXIMUM	DISCHARGE	MINIMUM	TOTAL
DISCHARGE		DISCHARGE			ACRES FEET
137	7,280	14,22	2 10 0200		98,880

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 14 53	121 13 53	NE 32 5N 7E	24,000	15.28	4-3-1958	OCT 26-SEPT 33 OCT 44-DATE	OCT 26-SEPT 33 OCT 44-DATE	1944 1945	1945	55.83 52.83	USCGS USCGS
Station located below county road bridge, 4 miles east of Galt. Tributary to Mokelumne River. Records furnished by U. S. Geological Survey. Drainage area is 329 square miles.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	801580	DEER CREEK NEAR SLOUGHHOUSE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	1.5	5.3	22	9.4	29	11	0.3	0.0	0.0	0.0	1
2	0.0*	3.1	1.5	4.7	35.2	11	25	11	0.3	0.0	0.0	0.0*	2
3	0.0	2.0	6.4	4.7	105	9.3	24	10	0.4	0.0	0.0	0.0	3
4	0.0	2.1	25	4.7	323	8.5	26	14	0.3	0.0	0.0*	0.0	4
5	0.0	1.6	11	5.1	94	12	89	12	0.3	0.0	0.0	0.0	5
6	0.0	1.4	6.1	22	51	25	89	9.7	0.3	0.0	0.0	0.0	6
7	0.0	1.6	5.9	79	58	30	52	9.9	0.1	0.0	0.0	0.0	7
8	0.0	2.3	5.3	165	93	71	39	9.0	0.1	0.0	0.0	0.0	8
9	0.0	4.9	4.7	51	522	38	34	7.4	0.0	0.0	0.0	0.0	9
10	0.0	2.8	4.3	31	304	31	30	6.3	0.0	0.0	0.0	0.0	10
11	0.0	2.0	4.3	22	148	30	29	5.7	0.0	0.0	0.0	0.0	11
12	0.0	1.7	4.7	16	150	24	26	5.8	0.0	0.0	0.0	0.0	12
13	0.0	1.5	5.3	13	776	139	24	5.5	0.0	0.0	0.0	0.0	13
14	0.0	1.3	5.8	11	152	161	23	4.7	0.0	0.0	0.0	0.0	14
15	0.0	1.3	5.3	10	49	102	28	4.4	0.0	0.0	0.0	0.0	15
16	0.0	1.3	4.7	8.4	34	174	26	4.5	0.0	0.0	0.0	0.0	16
17	0.0	1.3	4.7	7.3	27	63	26	4.6	0.0	0.0	0.0	0.0	17
18	0.0	1.4	4.3	6.6	21	46	17	3.8	0.0	0.0	0.0*	0.0	18
19	0.0	1.5	4.3	6.4	49	39	15	3.2	0.0	0.0	0.0	0.0	19
20	0.0	1.7	4.3	6.3	72	40	14	2.8	0.0	0.0	0.0	0.0	20
21	0.0	3.8	4.3	6.4	32	175	14	2.7	0.0	0.0	0.0	0.0	21
22	0.0	25	4.3	6.4	23	329	13	2.4	0.0	0.0*	0.0	0.0	22
23	0.0	8.0	4.7	6.1	18	88	13	2.0	0.0	0.0	0.0	0.0	23
24	0.0	4.4	3.8	5.8	15	127	16	1.9	0.0	0.0	0.0	0.0	24
25	0.0	3.4	3.4	5.8	14	497	43	1.7	0.0	0.0	0.0	0.0	25
26	0.0	3.2	4.3	5.8	12	144	25	1.6	0.0	0.0	0.0	0.0	26
27	0.0	2.5	4.7	5.6	10	63	19	1.4	0.0	0.0	0.0	0.0	27
28	0.0	2.1	5.8	5.3	9.3	45	15	1.1	0.0	0.0	0.0	0.0	28
29	0.0*	1.9	6.4	5.1	38	13	13	0.8	0.0	0.0	0.0	0.0	29
30	0.0	1.8	5.8	4.8	34	12	12	0.5	0.0	0.0	0.0	0.0	30
31	0.0	5.3	5.3	5.5	31	31	12	0.4	0.0	0.0	0.0	0.0	31
MEAN	0.0	3.1	5.6	17.5	128	85.0	28.3	5.2	0.1	0.0	0.0	0.0	MEAN
MAX	0.0	25.0	25.0	165	776	497	89.0	14.0	0.4	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	1.5	4.7	9.3	8.5	12.0	0.4	0.0	0.0	0.0	0.0	MIN.
AC FT.	186	341	1075	7131	5225	1682	321	4					AC FT.

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
22.1	1340	9.45	02	13	1200	0.0	5.70	10	01	0000	15966

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY

- - E AND *

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CF5	GAGE HT	DATE			FROM	TO		
38 33 06	121 06 30	NW 16 8N 8E	6,560 E	12.86	10-13-1962	NOV 1959-DATE	NOV 1959-DATE	1959		0.00	LOCAL
Station located 0.2 mile above Scott Road Bridge, 5.9 miles northeast of Sloughhouse. Tributary to Cosumnes River. Drainage area is 46.0 square miles.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	B01125	COSUMNES RIVER AT MCCONNELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	59	39	52	92	426	1,410	1,110	931	104	2.0	0.7	1
2	0.0	59	39	44	402	450	1,260	1,070	925	105	1.9	0.4	2
3	0.0	56	46	40	1,580	459	1,140	1,090	841	104	1.9	0.2	3
4	0.0	42	60	38	1,130	458	1,120	1,350	757	122	1.9	0.1	4
5	0.0	30	306	49	1,490	456	1,570	1,260	692	113	1.9	0.7	5
6	0.0	25	191	58	692	539	1,960	1,130	664	100	1.9	1.6	6
7	0.0	28	119	229	499	601	1,860	1,050	650	93	1.9	1.3	7
8	0.0	32	90	516	634	2,200	1,460	1,020	602	87	1.9	0.6	8
9	0.0	36	73	855	2,270	2,270	1,310	1,080	533	78	1.9	0.3	9
10	0.0	32	64	471	5,270	1,460	1,190	1,180	468	69	1.9	0.2	10
11	0.0	39	57	306	2,280	1,190	1,090	1,250	432	60	1.9	0.0	11
12	0.0	32	52	239	1,220	965	1,010	1,390	416	54	1.9	0.2	12
13	0.0	28	51	195	2,270	887	962	1,510	393	64	1.9	0.5	13
14	0.0	25	34	168	3,280	1,930	942	1,650	365	55	1.9	0.2	14
15	0.0	23	64	152	1,570	1,580	1,010	1,780	350	45	1.9	0.0	15
16	0.0	24	56	138	979	1,830	990	1,670	331	46	1.9	0.0	16
17	0.0	25	49	131	754	1,710	937	1,570	307	47	1.9	0.0	17
18	0.0	28	48	127	606	1,160	882	1,610	282	51	1.9	0.0	18
19	0.0	24	47	118	530	968	825	1,660	248	45	48	0.0	19
20	0.0	25	46	114	952	1,070	788	1,590	223	40	103	0.0	20
21	0.0	33	42	111	910	1,020	772	1,370	201	36	84	0.0	21
22	0.0	46	40	112	655	3,200	796	1,110	194	29	55	0.0	22
23	0.0	120	42	104	557	2,570	838	1,010	177	14	26	0.0	23
24	0.0	96	45	101	503	1,730	891	1,010	167	13	22	0.0	24
25	0.0	65	39	98	466	4,100	1,520	1,050	170	10	17	0.0	25
26	0.0	56	30	97	441	6,340	1,630	1,080	98	8.1	8.2	0.0	26
27	0.0	58	39	98	430	3,270	1,410	1,070	152	2.8	4.0	0.0	27
28	0.0	50	54	100	417	2,510	1,260	1,020	64	2.6	3.0	0.0	28
29	45	44	75	93		2,010	1,170	980	79	2.5	2.2	0.2	29
30	122	41	74	82		1,690	1,120	943	106	2.3	1.6	0.3	30
31	87		58	87		1,510		918		2.1	1.0		31
MEAN	8.2	43.4	67.4	165	1,174	1,695	1,171	1,245	394	51.8	13.2	0.2	MEAN
MAX.	122	120	306	855	5,270	6,340	1,960	1,780	931	122	103	1.6	MAX.
MIN.	0.0	23	30	38	92	426	772	918	64	2.1	1.0	0.0	MIN.
AC. FT.	504	2,580	4,140	10,160	65,220	104,300	69,670	76,530	23,440	3,180	812	15	AC. FT.

WATER YEAR SUMMARY

MEAN	DISCHARGE	MAXIMUM	DISCHARGE	GAUGE HT.	MO	DAY	TIME	MINIMUM	DISCHARGE	GAUGE HT.	MO	DAY	TIME	TOTAL
DISCHARGE	498	DISCHARGE	7,600	GAUGE HT.	42.79	3	26	0730	DISCHARGE	0.0	GAUGE HT.	10	1	ACRE FEET
														360,500

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - FLOOD SEASON

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAUGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM		
			CFS	GAUGE HT.	DATE							
38 21 29	121 20 34	SW 20 6N 6E	54,000	46.26	12-23-1955	OCT 1941-DATE	JAN 31-MAY 40# OCT 41-DATE	1931		0.00	USED	
Station located on U. S. Highway 99 Bridge, 0.2 mile south of McConnell, 7.0 miles north of Galt. Maximum discharge of record listed is for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is 724 square miles. # - Flood season only.												

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A00020	MORRISON CREEK NEAR SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.4	8.5	2.6	2.4	70	3.0	2.3	4.9	5.8	8.7	6.6	4.4	1
2	7.4	5.4	11	1.6	174	2.2	2.3	4.0	7.0	7.5	5.0	6.4	2
3	6.4	3.9	110	3.1	66	2.6	2.1	3.8	8.3	7.3	3.6	6.9	3
4	6.7	5.0	42	2.2	117	2.8	2.6	3.9	9.3	4.1	6.2	6.7	4
5	6.4	4.7	12	1.6	39	22	70	4.6	9.6	3.5	6.8	8.3	5
6	5.9	4.2	7.7	15	23	15	102	5.4	9.7	4.1	7.1	6.9	6
7	6.8	22	4.8	7.4	47	40	43	5.8	7.5	5.8	7.7	4.3	7
8	6.8	8.3	3.5	8.4	93	138	21	6.1	5.7	7.2	10	6.0	8
9	6.5	7.2	5.0	5.7	285	43	12	6.4	6.6	6.1	7.1	6.6	9
10	7.6	5.1	6.0	5.4	104	39	9.4	4.7	8.3	5.5	6.4	5.3	10
11	7.6	5.1	6.5	2.6	41	31	6.9	4.3	8.1	5.4	10	4.0	11
12	4.2	6.7	6.2	2.0	130	20	4.6	5.2	9.3	4.2	16	4.3	12
13	3.9	4.6	6.5	4.4	523	159	4.7	5.4	8.4	3.8	15	2.2	13
14	2.9	4.5	4.3	5.4	158	70	5.7	4.6	6.2	5.0	17	1.2	14
15	5.0	4.4	4.0	5.2	37	21	6.4	4.4	6.2	5.7	16	2.3	15
16	5.2	2.6	6.1	5.7	17	52	9.3	5.7	6.3	4.8	7.7	3.4	16
17	5.0	1.6	6.5	5.1	10	25	6.7	4.7	6.3	5.0	4.2	4.1	17
18	5.2	5.5	6.6	2.1	8.4	15	4.8	4.7	6.6	4.0	4.5	4.9	18
19	3.3	5.1	6.7	1.8	33	12	3.7	5.1	4.3	3.1	26	4.2	19
20	2.0	5.2	5.2	4.1	25	11	3.7	4.5	5.2	2.8	22	2.8	20
21	5.1	37	3.5	5.1	14	118	3.9	5.0	4.0	4.2	12	1.8	21
22	5.7	12	3.0	5.3	7.0	160	4.0	4.6	3.5	3.5	11	3.9	22
23	5.3	6.0	3.2	5.5	4.7	10	4.8	5.1	5.6	4.2	6.6	5.1	23
24	5.5	4.1	3.1	5.1	4.5	40	11	5.4	9.2	5.7	6.4	6.6	24
25	6.6	8.5	2.6	2.9	3.9	133	5.0	4.4	10	4.8	11	6.5	25
26	6.0	6.9	2.8	2.1	3.3	10	3.8	3.8	8.8	3.3	12	6.4	26
27	35	6.5	48	3.8	3.3	2.5	3.9	6.0	9.1	2.2	12	3.8	27
28	37	4.0	150	10	3.4	2.3	4.2	5.9	7.2	2.9	13	3.3	28
29	11	2.7	20	6.1	2.3	4.9	6.3	6.8	3.6	11	3.7	5.7	29
30	7.2	2.5	4.5	4.6	2.3	5.1	7.1	8.3	5.0	6.4	5.6	3.6	30
31	26	2.4	32	3.2	2.2	2.2	6.6	6.6	6.1	4.8	4.8	4.8	31
MEAN	8.5	7.0	16.3	5.6	73	38.9	12.5	5.1	7.2	4.8	11.3	4.8	MEAN
MAX.	37	37	150	32	523	160	102	7.1	10	8.7	45	8.3	MAX.
MIN.	2.0	1.6	2.4	1.6	3.3	2.2	2.1	3.8	3.5	2.2	3.6	1.2	MIN.
AC FT.	521	416	1,000	345	4,060	2,390	741	316	431	296	697	285	AC FT.

WATER YEAR SUMMARY

E - ESTIMATED
NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

- E AND *

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MO.	DAY	TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MO.	DAY	TIME	TOTAL ACRE FEET
15.9	946	6.02	2	13	0730						11,500

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R MO B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
38 29 55	121 27 06	SE 32 BN SE	1,610	8.53	1-26-1969	JULY 1959-DATE	JULY 1959-DATE	1959 1960	8.15	USCGS	
								1960 1965	10.31	USCGS	
								1965	7.60	USCGS	

Station located 750 feet above Florin Road in southeast Sacramento. Tributary to Snodgrass Slough via Beach and Stone Lakes. Records furnished by U. S. Geological Survey. Drainage area is 48.6 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	B95925	DELTA-MENDOTA CANAL NEAR TRACY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4,331		0.0	0.0	4,497	4,787	4,161	4,722	3,318	4,633	4,588	4,436	1
2	4,450		0.0	0.0	4,527	4,777	4,792	4,717	3,687	4,644	4,578	4,160	2
3	4,345		0.0	0.0	4,506	4,782	4,752	4,727	4,046	4,633	4,568	3,944	3
4	4,344		0.0	0.0	4,361	4,750	4,735	4,705	4,056	4,635	4,560	3,970	4
5	4,333		0.0	0.0	4,485	4,772	4,751	4,699	4,083	4,649	4,583	3,965	5
6	4,357		0.0	0.0	4,496	4,764	4,716	4,704	4,082	4,678	4,572	3,968	6
7	4,363		0.0	1,071	4,486	4,472	4,718	4,628	4,073	4,634	4,571	3,968	7
8	4,360		0.0	1,684	4,375	4,111	4,738	4,759	4,072	4,638	4,193	3,979	8
9	4,371		0.0	2,309	4,474	4,116	4,739	4,764	4,052	4,670	4,593	3,965	9
10	4,352	N	0.0	2,723	4,509	4,113	4,317	4,764	4,045	4,639	4,583	3,978	10
11	4,353	O	0.0	2,637	4,673	4,116	3,860	4,739	4,023	4,641	4,578	3,974	11
12	4,351		0.0	3,202	4,714	4,086	3,735	4,757	4,053	4,637	4,615	3,975	12
13	4,348		0.0	3,209	4,743	4,127	3,714	4,288	4,034	4,635	4,624	3,974	13
14	4,363		0.0	3,236	4,254	3,681	3,555	4,140	4,042	4,641	4,606	3,958	14
15	4,372	F	0.0	3,192	3,936	2,825	3,238	3,582	4,060	4,633	4,589	3,979	15
16	4,298	L	0.0	3,252	3,941	2,461	3,230	3,387	4,006	4,626	4,600	3,981	16
17	3,921		0.0	3,400	3,934	2,452	3,229	3,356	4,032	4,632	4,536	3,971	17
18	3,860	O	0.0	3,486	3,934	2,455	3,226	3,367	4,016	4,384	4,492	3,967	18
19	3,875		92	3,486	3,930	2,946	3,224	3,372	4,043	4,583	4,352	3,861	19
20	3,872	W	224	3,475	3,959	3,377	3,219	3,367	4,033	4,533	4,380	3,760	20
21	3,872		0.0	3,482	3,951	3,372	3,466	3,338	3,963	4,524	4,371	3,748	21
22	3,403		0.0	3,483	3,918	3,372	4,465	3,377	3,917	4,529	4,385	3,755	22
23	2,701		0.0	3,509	3,931 *	3,387	4,737	3,375	3,938	4,581	4,376	3,764	23
24	2,437		0.0	3,492	3,422	3,364	4,734	3,336	4,009	4,602	4,347	3,730	24
25	2,471		0.0	3,952	3,228	3,398	4,745	3,360	3,947	4,562	4,377	2,810	25
26	1,865		0.0	3,948	3,299	3,383	4,734	3,346	4,010	4,613	4,404	2,394	26
27	1,654 *		0.0	3,943	4,209	3,383	4,728	3,366	3,992	4,618	4,415	2,397	27
28	1,676		0.0	3,944	4,588	3,373	4,720	3,371	4,001	4,602	4,409	2,302	28
29	1,080		0.0	4,129		3,413	4,727	3,342	4,005	4,592	4,422	2,295	29
30	243		0.0	4,489		4,043	4,729	3,343	4,245	4,588	4,487	2,313	30
31	0.0		0.0	4,568		4,092		3,333		4,568	4,458		31
MEAN	3,440	0.0	10.2	2,687	4,189	3,760	4,213	3,949	3,996	4,612	4,690	3,637	MEAN
MAX.	4,450	0.0	224	4,568	4,743	4,787	4,792	4,764	4,245	4,678	4,624	4,436	MAX.
MIN.	0.0	0.0	0.0	0.0	3,228	2,452	3,219	3,333	3,318	4,524	4,347	2,295	MIN.
AC. FT.	211,640	0.0	627	165,228	232,300	231,177	250,702	242,842	237,788	283,595	276,087	216,442	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

MEAN DISCHARGE	DISCHARGE	MAXIMUM	PERIOD OF RECORD	MINIMUM	TOTAL
3,244		QAGE HT. MO DAY TIME	DISCHARGE QAGE HT. MO DAY TIME		ACRE FEET
					2,348,428

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
37 47 45	121 35 05	SW 31 1S 4E				JUNE 1951-DATE	JUNE 1951-DATE	1951		0.00	USCGS

Station located at Tracy Pumping Plant at intake to canal, 6 miles southeast of Byron, 10 miles northwest of Tracy. Discharge computed from records of operation of pumps. Water is diverted from Sacramento-San Joaquin Delta by way of Old River and a dredged channel to the Tracy Pumping Plant, where it is lifted about 200 feet into the canal. Records are furnished by the U. S. Bureau of Reclamation.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	B95910	CONTRA COSTA CANAL NEAR OAKLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	90	123	66	59	98	73	82	94	136	144	184	146	1
2	91	97	63	62	91	71	80	88	133	146	185	146	2
3	91	81	58	63	94	80	82	85	130	159	186	154	3
4	83	80	58	60	99	81	79	87	130	163	177	150	4
5	86	78	59	59	103	79	82	100	168	159	170	156	5
6	84	76	58	61	103	74	91	92	183	160	169	157	6
7	86	74	61	61	84	73	93	89	175	166	174	155	7
8	89	71	60	61	81	68	88	99	179	175	174	153	8
9	87	70	58	63	79	67	90	99	205	179	178	165	9
10	83	68	62	64	93	75	92	103	217	181	178	143	10
11	80	71	61	57	86	89	85	114	209	185	180	138	11
12	85	72	63	58	84	98	82	123	234	184	182	129	12
13	81	69	61	65	80	75	83	117	178	182	183	127	13
14	106	75	60	61	78	72	87	114	206	170	176	126	14
15	116	63	58	67	76	70	92	112	200	173	181	125	15
16	116	67	60	67	70	76	92	112	201	167	167	134	16
17	112	65	60	67	74	71	86	116	182	183	168	136	17
18	110	64	62	68	75	69	89	127	148	177	162	136	18
19	121	69	61	66	78	70	82	122	157	171	160	138	19
20	93	69	60	63	76	68	84	113	159	174	165	129	20
21	91	68	53	67	76	68	102	115	153	177	166	127	21
22	94	66	58	65	72	61	109	112	150	189	167	132	22
23	94	62	61	63	74 B	59	103	112	151	182	168	133	23
24	93	63	57	63	82	66	116	124	144	185	170	136	24
25	111	64	55	62	79	74	102	122	143	190	166	134	25
26	93	63	60	60	78	70	112	125	143	190	167	139	26
27	111 A	63	58	66	78	72	126	125	149	187	166	138	27
28	108	63	56	86	79	76	152	122	150	183	164	124	28
29	124	60	57	97	71	71	152	130	151	178	158	122	29
30	122	61	60	104	72	72	113	137	144	178	157	101	30
31	112		56	101	82	82		136		180	155		31
MEAN	98.2	71.2	59.4	67.3	82.9	73.2	96.9	112	167	175	171	137	MEAN
MAX.	124	123	66	104	103	98	152	137	234	190	186	157	MAX.
MIN.	80	60	53	57	70	59	79	85	130	144	155	101	MIN.
AC. FT.	6,036	4,235	3,650	4,138	4,602	4,503	5,768	6,875	9,929	10,745	10,518	8,150	AC. FT.

A - 25 hour day
 B - 23 hour day

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	DISCHARGE	MAXIMUM	DATE	MO.	DAY	TIME	DISCHARGE	MINIMUM	DATE	MO.	DAY	TIME	TOTAL ACRE FEET
109													79,146

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC. T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CF5	GAGE HT	DATE						
37 59 45	121 42 00	NE 25 2N 2E				FEB 1950-DATE	FEB 50-DEC 52	1950 1952	121.72	USCGS	

Station located at Pumping Plant No. 1, 0.7 mile east of Oakley, 2.6 miles northwest of Knightsen. Water is diverted from Sacramento-San Joaquin Delta by way of Old River, Rock Slough, and a dredged channel. A series of 4 pumping plants lift the water about 115 feet into canal. Recording flow meters on pumps. Records furnished by U. S. Bureau of Reclamation.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	B9592D	CALIFORNIA AQUEDUCT AT DELTA PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	896	830	4,480	2,590	3,110	4,435	1,636	1,637	350	259	1,087	3,950	1
2	896	1,389	1,635	1,876	3,360	6,300	1,635	2,268	218	259	3,540	3,945	2
3	897	2,240	1,553	3,124	1,949	2,856	1,636	2,901	158	259	6,300	3,943	3
4	869	830	1,682	4,194	1,950	1,222	1,666	4,060	231	231	3,701	3,958	4
5	1,019	1,077	1,831	5,180	1,950	2,139	3,170	1,637	131	350	3,138	3,970	5
6	1,120	1,091	1,692	3,314	1,150	3,599	5,180	2,267	130	350	3,136	5,000	6
7	666	736	2,754	3,321	914	3,024	1,879	2,268	218	350	3,363	6,300	7
8	518	1,136	4,480	3,322	2,503	3,460	1,878	2,268	350	131	3,230	4,011	8
9	418	1,739	1,658	2,594	3,360	3,710	1,879	2,268	131	218	5,015	4,032	9
10	417	2,590	1,780	2,553	1,382	1,335	1,878	3,843	130	158	6,300	3,946	10
11	354	1,174	1,879	3,219	1,546	1,234	1,876	6,300	158	231	3,722	3,949	11
12	350	1,179	1,878	4,830	1,120	1,234	2,959	2,262	231	218	3,857	3,341	12
13	350	976	1,879	1,653	593	1,793	2,799	2,268	350	131	3,950	4,482	13
14	350	912	3,173	1,315	1,664	1,222	1,232	1,978	189	345	4,590	6,300	14
15	354	1,398	5,180	1,634	3,804	1,118	1,260	705	233	350	3,950	2,269	15
16	931	1,743	1,879	1,982	3,710	0	1,360	259	158	131	4,878	2,396	16
17	958	4,480	3,320	2,083	2,759	93	1,359	640	232	193	6,300	2,728	17
18	959	1,634	3,320	3,544	1,283	417	1,332	3,360	131	354	3,872	2,998	18
19	1,048	2,134	2,603	4,830	2,983	722	2,074	997	131	218	3,949	2,999	19
20	1,470	1,979	2,603	1,733	2,981	1,680	2,612	283	131	350	3,951	4,295	20
21	1,279	2,154	3,619	1,633	1,313	1,881	1,042	409	218	158	3,934	6,300	21
22	1,445	1,798	5,180	1,635	3,681	3,163	1,878	130	350	231	3,921	3,581	22
23	1,445	3,476	3,321	1,659	4,964	5,180	1,863	350	158	158	4,872	3,546	23
24	1,120	3,710	2,282	1,758	1,735	1,832	1,750	218	259	231	6,300	3,679	24
25	1,213	1,415	3,710	2,942	1,738	1,447	1,449	350	231	131	3,236	3,383	25
26	1,754	1,635	2,385	4,480	3,723	1,634	2,585	130	133	350	3,228	3,321	26
27	1,531	1,634	2,657	2,270	3,788	1,634	2,307	204	131	350	2,974	3,895	27
28	858	4,480	3,460	2,197	3,228	1,635	2,111	262	218	139	3,000	5,180	28
29	1,162	1,635	3,710	1,852	1,758	2,756	1,482	232	350	323	3,358	2,677	29
30	2,860	2,754	2,299	2,354	4,480	4,480	1,477	131	158	546	4,877	3,321	30
31	1,860		2,210	2,354		1,635		218		613	6,300		31
MEAN	1,011	1,865	2,777	2,714	2,437	2,228	1,975	1,519	207	268	4,124	3,923	MEAN
MAX.	2,860	4,480	5,180	5,180	4,964	6,300	5,180	6,300	350	613	6,300	6,300	MAX.
MIN.	350	736	1,553	1,315	593	0	1,042	130	130	131	2,974	2,269	MIN.
AC. FT.	62,156	110,990	170,760	166,859	135,353	136,998	117,508	93,428	12,292	16,495	253,545	233,444	AC. FT.

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
2,085	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	1,509,828

E - ESTIMATED
NR - NO RECORD
- DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW
- E AND *

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		ZERO ON GAGE
			CFS	GAGE HT.	DATE				FROM	TO	
37 48 02	121 37 09	SE 35 15 3E				OCT 1968-DATE					
Delta Pumping Plant located 4.5 miles south of Byrom. Discharge computed from records of operation of pumps. Water diverted from Sacramento-San Joaquin Delta via Clifton Court Forebay and lifted about 240 feet into the canal. Prior to November 1969, water was diverted via Italian Slough.											

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	B89100	MARSH CREEK NEAR BYRON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					0.0	1.5	16	7.8					1
2					2.2	1.4	14	6.6					2
3					2.2	1.3	13	5.9					3
4					7.0	1.1	17	5.7					4
5					3.9	1.1	46	5.5					5
6					2.5	2.8	39	5.2					6
7					2.3	8.3	26	4.9					7
8					3.0	16	67	4.7					8
9					30	9.7	36	4.5					9
10	N	N	N	N	45	18	29	4.2	N	N	N	N	10
11	O	O	O	O	21	16	25	4.0	O	O	O	O	11
12					13	10	21	3.7					12
13					72	59	20	3.5					13
14	F	F	F	F	37	40	19	2.5					14
15					19	26	17	2.5	F	F	F	F	15
16	L	L	L	L	14	59	17	2.6	L	L	L	L	16
17					9.6	25	19	2.3					17
18	O	O	O	O	7.3	20	15	2.1	O	O	O	O	18
19					6.3	17	13	1.8					19
20	W	W	W	W	9.0	13	13	1.3	W	W	W	W	20
21					5.8	56	12	1.6					21
22					4.2	141	11	1.3					22
23					3.6	50	11	1.3					23
24					3.3	39	11	1.1					24
25					2.8	131	13	1.3					25
26					2.3	55	11	0.9					26
27					2.0	38	9.6	0.7					27
28					1.8	29	9.1	0.2					28
29						23	8.9	0.0					29
30						20	8.6	0.0					30
31						18		0.0					31
MEAN	0.0	0.0	0.0	0.0	11.9	30.5	19.6	2.9	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	72	141	67	7.8	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	1.1	8.6	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	0.0	659	1,880	1,160	178	0.0	0.0	0.0	0.0	AC. FT.

WATER YEAR SUMMARY

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — END

MEAN	MAXIMUM					MINIMUM				TOTAL
DISCHARGE	DISCHARGE	DAGE HT.	MO	DAY	TIME	DISCHARGE	DAGE HT.	MO	DAY	TIME
5.36	465	5.87	3	21	2400					
										3,880

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC. T & R N D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CF5	GAGE HT.	DATE			FROM	TO		
37 52 24	121 43 34	SW 2 1S 2E	3,880	11.62	1-31-1963	FEB 1953-DATE	FEB 1953-DATE	1953		177.87	USCGS

Station located 40 feet below highway bridge, 1.2 miles above Marsh Creek Dam, 5.0 miles west of Byron. Station affected by backwater from Marsh Creek Reservoir. Maximum gage height of record is 12.98 feet on December 23, 1955. Tributary to San Joaquin River. Records furnished by U. S. Geological Survey. Drainage area is 42.6 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	012200	BIDWELL CREEK NEAR FORT BIDWELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.2	6.3	5.8	5.6	7.1	12	11	23	14.5	34	12	8.5	1
2	5.2	6.2	5.8	5.6	7.1	13	11	25	15.7	31	12	8.3	2
3	5.2	6.1	6.2	5.6	7.4	14	11	28	16.7	30	11	8.0	3
4	5.2	6.1	6.3	5.6	7.4	13	11	30	17.6	29	11	7.7	4
5	5.2	6.1	6.3	5.6	7.4	14	12	31	17.7	29	11	7.4	5
6	5.0	6.1	6.3	5.6	7.7	14	11	31	17.8	30	11	7.4	6
7	5.1	6.1	6.3	5.6	7.7	14	11	30	17.7	29	11	7.2	7
8	5.2	6.1	6.1	5.4	7.7	14	11	31	16.3	27	11	7.1	8
9	5.2	6.1	6.1	5.4	8.0	14	10	34	14.1	25	10	7.1	9
10	5.2*	6.1	6.1	5.4	8.0	14	11	38	12.4	24	11	7.1	10
11	5.2	6.1	6.2	5.4	8.0	13	11	43	11.1	23	10	7.5	11
12	5.2	6.1	6.4	5.4	8.3	12	11	49	10.9	25	9.6	7.4	12
13	5.2	6.1	6.8	5.4	8.3	11	12	54	10.7	24	9.3	7.2	13
14	5.2	5.9	6.6	5.4	8.3	11	13	50	10.1	21	9.4	7.1	14
15	5.2	5.8*	6.9	5.4	8.6	11	13	65	10.0	24	9.6	6.9	15
16	5.2	5.8	7.4	5.4	8.6	10	14	73	9.9	24	9.6	6.9	16
17	5.2	5.8	7.2	5.6	8.6	9.8	14	82	9.5	21	12	6.9	17
18	5.0	5.8	6.6	5.6	8.6	9.6	14	87	9.0	20	14	6.8*	18
19	5.0	5.8	6.5	5.8	9.0	10	15	95	8.2	19	11	6.7	19
20	5.0	5.8	6.6*	5.8	9.0	11	16	96	7.7	18	11	6.5	20
21	5.1	6.0	6.8	6.1	9.0*	11	17	88	7.1	17	10	6.5	21
22	5.2	6.1	6.5	6.1	9.0	11	19	70	6.7	16	10	6.3	22
23	5.4	6.1	6.3	6.3	9.3	11	20	76	6.3	15	9.8	6.2	23
24	5.4	6.1	5.9	6.3	9.0	10	22	81	5.7	15	9.3	6.1	24
25	5.5	6.1	5.8	6.5	8.6	10	23	84	5.6	14	9.1	5.8	25
26	5.6	5.9	5.8	6.5	8.5	11	24	85	5.3	14	9.0	5.8	26
27	5.6	6.1	5.8	6.5	8.7	11	23	88	4.9	14	8.9	5.6	27
28	6.2	5.9	5.8	6.8	9.7	11	22	93	4.5	13	9.5	5.7	28
29	6.5	5.7	5.8	6.8	11	11	22	98	3.9	14	8.9	5.6	29
30	6.4	5.8	5.8	6.8	11	11	22	109	3.7	13	8.7	5.3	30
31	6.3		5.8	7.1	11	11		131		13	8.7		31
MEAN	5.4	6.0	6.3	5.9	8.3	11.7	15.2	65.1	103	21.5	10.3	6.8	MEAN
MAX	6.5	6.3	7.4	7.1	9.7	14.0	24.0	131	178	34.0	14.0	8.5	MAX
MIN	5.0	5.7	5.8	5.4	7.1	9.6	10.0	23.0	37.0	13.0	8.7	5.3	MIN
AC. FT	330	357	386	362	461	721	906	4003	6175	1319	632	406	AC. FT

WATER YEAR SUMMARY

MEAN DISCHARGE	DISCHARGE	GAGE HT	NO	DAY	TIME	DISCHARGE	GAGE HT	NO	DAY	TIME	TOTAL ACRE FEET
22.2	181	4.28	06	05	2215	5.0	3.26	10	05	1815	16057

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF FLOW MADE THIS DAY
 = - E AND *

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM TO	ZERO ON GAGE	REF DATUM	
			CF5	GAGE HT	DATE						
41 52 57	120 10 26	SE 6 46N 16E	682	5.64	12/24/64	APR 55-OCT 57 H MAY 58-DATE	APR 55-OCT 57 H MAY 58-DATE		0.00	LOCAL	

Station located E of New Pine Creek-Fort Bidwell Highway, 2.0 mi. NW of Fort Bidwell. Tributary to Upper Alkali Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 25.6 sq. mi.

H - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	G15150	CEDAR CREEK NEAR CEDARVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2	0.5	0.5	0.7	2.3	12	7.3	21	29	6.2	17	0.5	1
2	0.2	0.4	0.5	0.7	2.2	17	7.0	26	28	5.8*	15	0.5	2
3	0.3	0.4	0.6	0.7	2.2	11	7.0	30	26	5.5	13	0.5	3
4	0.3	0.4	0.7	0.7	2.1	10	6.9	25	24	5.1	11	0.5	4
5	0.3	0.4	0.6	0.8	2.0	10	6.7	22	23	4.9	9.8	0.5	5
6	0.4	0.4	0.5	0.9	1.9	9.8	5.6	21	22	4.7	8.6	0.5	6
7	0.4	0.4	0.6	1.0	2.0	9.6	5.5	25	21	4.4	7.3	0.4	7
8	0.4	0.5	0.5	1.4	2.0	9.0	5.4	32	19	4.0	6.3	0.4	8
9	0.4	0.5	0.5	1.2	3.8	8.7	5.1	38	17	3.8	5.5	0.4	9
10	0.4*	0.5	0.5	1.1	3.8	7.9	5.5	38	15	3.4	4.8	0.5	10
11	0.4	0.5	0.7	1.1	3.6	7.0	5.8	39	14	3.4	4.0	0.5	11
12	0.4	0.5	1.1	1.1	3.7	5.7	6.6	39	12	3.2	3.4	0.5	12
13	0.4	0.5	0.6	1.2	7.0	5.1	8.2	41	12	3.1	2.8	0.5	13
14	0.4	0.5	0.6	1.3	5.4	4.8	11	43	12	2.6	2.2	0.5	14
15	0.3	0.5	1.3	1.4*	4.5	4.6	12	39	12	2.4	1.8	0.5	15
16	0.3	0.5*	0.8	1.4	4.3	4.3	11	39	11	2.6	1.4	0.6	16
17	0.3	0.5	0.5	1.5	4.0	4.2	10	37	11	2.5	1.1	0.5	17
18	0.3	0.6	0.5	1.9	3.8	4.2	10	38	10	2.3	1.3	0.3*	18
19	0.3	0.6	0.5	2.2	4.4	5.4	11	37	11	2.0	1.6*	0.2	19
20	0.3	0.6	1.1*	2.4	4.4	6.2	12	34	11	1.8	1.4	0.2	20
21	0.3	0.6	0.9	2.4	3.9*	6.5	14	30	11	1.6	1.3	0.2	21
22	0.3	0.6	0.7	2.1	3.7	6.4	17	31	10	1.5	1.2	0.2	22
23	0.4	0.5	0.7	2.2	3.6	6.0	17	34	9.5	1.3	1.1	0.2	23
24	0.4	0.5	1.0	4.0	3.6	5.9	22	32	9.2	1.1	0.9	0.2	24
25	0.4	0.7	0.7	6.0	3.6	8.3	21	29	9.3	1.0	0.8	0.2	25
26	0.4	0.6	0.7	4.2	3.5	8.4	17	27	9.0	0.9	0.7	0.2	26
27	0.4	0.6	0.7	3.5	4.3	8.1*	15	28	8.1	0.8	0.6	0.2	27
28	0.5	0.5	0.7	4.7	7.8	6.0	15	28	7.3	0.7	0.7	0.2	28
29	0.4	0.4	0.7	3.2	5.9	5.9	15	28	6.6	7.9	0.6	0.2	29
30	0.4	0.5	0.7	4.1	6.7	17	17	28	6.4	20	0.6	0.2	30
31	0.5		0.7	2.4	8.0		29			19	0.6		31
MEAN	0.4	0.5	0.7	2.0	3.7	7.4	11.0	31.9	14.2	4.2	4.1	0.4	MEAN
MAX.	0.5	0.7	1.3	6.0	7.8	17.0	22.0	43.0	29.0	20.0	17.0	0.6	MAX.
MIN.	0.2	0.4	0.5	0.7	1.9	4.2	5.1	21.0	6.4	0.7	0.6	0.2	MIN.
AC. FT.	22	30	42	126	207	454	654	1964	846	257	255	22	AC FT.

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF FLOW MADE THIS DAY
- E AND *

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	DISCHARGE	GAGE HT.	MO.	DAY	ACRE FEET
6.7	55	4.25	05	14	0.2	2.41	10	01	4878

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC. T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		REF DATUM
			CFS	GAGE HT.	DATE				FROM	TO	
41 31 48	120 11 15	SE6 42N 16E	81	5.43	1/23/70	MAY 58-DATE	MAY 58-DATE		1958		0.00 LOCAL

Station located above Cedarville-Alturas Highway culvert, immediately W of Cedarville. Tributary to Middle Alkali Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 25 sq. mi.

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	017150	EAGLE CREEK AT EAGLEVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2										33.4 *			2
3													3
4													4
5													5
6													6
7													7
8													8
9	1.00 *												9
10													10
11									43.9 *				11
12													12
13													13
14				1.42 *									14
15													15
16		2.08 *											16
17													17
18											14.8 *	2.42 *	18
19													19
20			2.45 *					20.4 *					20
21											6.78 *		21
22					2.00 *								22
23													23
24													24
25							4.61 *						25
26													26
27						3.52 *							27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW
- E AND *

Note: Gage height data insufficient to compute daily mean discharge.
Measured discharge published.

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R N D S M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
41 18 40	120 07 27	SE23 40N 16E	N.R.			MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL
Station located 0.6 mi. SW of Eagleville. Tributary to Middle Alkali Lake. Stage-discharge relationship affected by ice at times. Drainage area is 6.36 sq. mi.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	G31140	PINE CREEK AT EAGLE LAKE NEAR SUSANVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	198	97	0.0*	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	302	100	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	360	95	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	265	82	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	199	74	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133	69	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	184	63	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	300	57	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	471	55	0.0	0.0	0.0	9
10	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	528	51	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	607	46	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	720	41	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	870	36	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,040	32	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,140	28	0.0	0.0	0.0	15
16	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	1,030	25	0.0*	0.0	0.0	16
17	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	900	23	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	780	21	0.0	0.0*	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	1.8	680	21	0.0	0.0	0.0*	19
20	0.0	0.0	0.0	0.0	0.0*	0.0	4.1	585	21	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	12	436	20	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	46	325	18	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	70	258	15	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	90	221	13	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	102	196	12	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	88	160	8.8	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	80	133	7.3	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0*	85	120	5.3	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	0.0	105	109	2.8	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0	0.0	0.0	138	105	0.7	0.0	0.0	0.0	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	27.7	434	38.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	0.0	0.0	138	1,140	100	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.0	0.7	0.0	0.0	0.0	MIN.
AC FT.							1648	26686	2261				AC FT.

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF FLOW MADE THIS DAY
 — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
42.3	1140	5.45	05	15	0000	0.0	1.38	10	01	0000	30595

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D B L M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
40 39 56	120 47 07	N61 32N 10E	1,140	5.45	5-15-75	JUL 56-DATE	JUL 56-DATE	1956	1969	0.00	LOCAL
								1969		0.00	LOCAL

Station located above mouth, 18 mi. NW of Susanville. Prior to October 1, 1969, gage located at site 1 mi. upstream at different datum. Tributary to Eagle Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 227 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.0	4.9	2.8	3.3	1.6	16	38	35	27	2.5	1.0	1.1	1
2	1.0*	4.0	2.6	3.0	1.6	20	18	34	26	2.5	1.0	1.1	2
3	1.1	3.8	2.8	2.7	1.6	16	37	39	24	2.4*	1.0	1.2	3
4	1.1	3.7	4.3	3.0	1.9	16	17	37	23	2.3	1.0	1.3	4
5	1.2	3.5	2.8	4.3	2.2	16	17	37	22	2.3	1.0	1.4	5
6	1.2	3.4	2.8	11	2.2	16	37	36	21	2.2	1.0	1.5	6
7	1.3	3.3	2.7	13	2.2	19	36	37	19	2.2	1.1	1.7	7
8	1.3	3.2	2.6	11	2.3	22	35	39	18	2.1	1.1	1.9	8
9	1.4	3.1	2.6	3.7	3.9	18	35	41	17	2.1	1.1	2.0	9
10	1.4	3.1	2.6	4.7	3.1	18	35	44	15	2.0	1.1	2.4	10
11	1.5	3.0	2.6	4.7	2.9	16	29	47	13	2.0	1.1	2.2*	11
12	1.6	2.9	2.6	4.2	3.2	13	25	49	9.1	1.9	1.1	1.7	12
13	1.7	2.8	2.6	4.5	11	15	26	51	7.4	1.8	1.1	1.7	13
14	1.8	2.7	2.6	5.0	7.2	18	29	55	6.1	1.8	1.1	1.8	14
15	1.8	2.5*	2.6	4.7	5.0	19	29	56	5.1	1.7	1.1	1.6	15
16	1.9	2.4	2.3	4.5	4.7	18	24	58	4.7	1.7	1.0	1.6	16
17	2.0	2.4	2.3	4.3	4.0	17	27	59	5.5	1.6	1.1	1.5	17
18	2.1	2.4	2.3	4.4	4.3	18	28	62	6.4	1.6	1.1	1.5	18
19	2.2	2.4	2.5	4.5	4.3	20	30	63	7.5	1.5	1.1	1.5	19
20	2.3	2.4	2.6	4.5*	6.7	19	31	57	5.8	1.5	1.1	1.5	20
21	2.4	3.3	2.5	4.6	4.4	17	32	52	4.7	1.4	1.1	1.4	21
22	2.5	3.7	2.2	4.4	4.2	15	32	45	4.0	1.4	1.1	1.4	22
23	2.6	2.7	2.2	4.6	4.9	21	32	43	3.3	1.4	1.1	1.4	23
24	2.7	2.8	2.2	2.4	5.3	37	36	4	4.4	1.4	1.1	1.4	24
25	2.7	2.8	2.1	1.2	7.2	114	37	39	6.1	1.3	1.1	1.3	25
26	2.8	2.7	3.9	1.3	8.3	40	33	36	4.2	1.3	1.1	1.3	26
27	2.9	2.7	7.0	1.3	14	45	33	35	3.3	1.3	1.1	1.3	27
28	3.3	2.6	5.5	1.3	16	46	33	33	2.9	1.2	1.1	1.3	28
29	3.5	2.7	3.8	1.3	1.3	44	34	3	2.7	1.1	1.1	1.3	29
30	3.5	2.8	3.9	1.4	41	34	29	2.5	1.1	1.1	1.1	1.2	30
31	3.6		3.8	1.4	39		28		1.0	1.1	1.1		31
MEAN	2.1	3.0	3.0	4.2	5.1	28.0	32.8	43.5	10.7	1.7	1.1	1.5	MEAN
MAX	3.8	4.9	7.0	13.0	16.0	114	38.0	63.0	27.0	2.5	1.1	2.4	MAX
MIN	1.0	2.4	2.1	1.2	1.6	13.0	25.0	24.0	2.5	1.0	1.0	1.1	MIN
AC FT	126	180	184	258	242	1601	1952	2672	610	106	66	90	AC FT

WATER YEAR SUMMARY

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF FLOW MADE THIS DAY
 - - E AND *

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET
	DISCHARGE	GAGE HT	MO	DAY	DISCHARGE	GAGE HT	MO	DAY	
11.3	435	3.74	03	25	1.0	2.21	10	01	8154

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
39 46 55	121 04 14	SW3 22N 17E	3520	9.16	1/24/70	OCT 70-DATE	OCT 70-DATE	1970		0.00 LOCAL

Station located at U. S. Highway 70 Bridge, 2 mi. west of Hallelujah Junction. Tributary to Honey Lake. State-discharge relationship affected by ice at times. Drainage area is approximately 100 sq. mi.

TABLE B-6

DIVERSIONS

This table includes diversion data on the Feather, Mokelumne, Sacramento, and Yuba Rivers. Data furnished by federal and local agencies are published as received from those agencies.

Additional diversion data not included in this table may be obtained from the Water Rights Division of the State Water Resources Control Board.

TABLE B-6 (Continued)
DIVERSIONS -- FEATHER AND YUBA RIVERS
October 1974 through September 1975

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT-SEPT ACRE-Feet
			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	
FEATHER RIVER															
--NICOLAUS BRIDGE--	9.2														
Hemasani Brothers	9.75R	1-20 1-30	0						66	2,583	2,763	2,789	2,786	1,455	12,442
--BEAR RIVER--															
Garden Highway Mutual Water Company	13.1R	2-20 1-24		471	66		53	331	3,734	1,255	3,249	2,737	1,044	14,984	
Feather Water District b	15.2R	3-14	32						254	1,182	1,563	2,099	1,467	567	7,151
Flumes Mutual Water Company	17.5L	2-18	313						250	2,361	2,955	3,108	2,000	1,882	12,869
Tudor Mutual Water Company	18.4R	2-30 1-35	0						0	824	1,451	1,181	1,134	239	4,849
Feather Water District b	20.4R	4-26	158						478	2,670	3,761	3,825	2,174	1,116	14,182
Oswald Water District	21.4R	2-16	0						126	420	482	471	424	246	2,169
--YUBA RIVER--															
--GAGING STATION - FEATHER RIVER AT YUBA CITY--	28.0*														
--10TH STREET BRIDGE--	28.2														
City of Yuba City c	29.6R	3-20	437	233	228	217	198	217	273	567	680	738	738	584	5,110
Sutter Extension Water District d	38.1R	1-36 1-46 1-48	0						1,349	9,192	2,902	4,923	5,524	1,168	25,058
--MUDCUT CREEK--	43.7L														
--FEATHER RIVER OUTLET AT THERMALITO AFTERBAY	58.2R														
--THERMALITO DIVERSION DAM--	65.6														
Western Canal Outlet at e Thermalito Afterbay	19/3-18**	Gravity	33,144	36,145	18,768	6,196			1,720	42,211	43,296	47,898	42,193	10,312	282,883
Richvale Canal Outlet at e Thermalito Afterbay	19/3-18**	Gravity	553						3,065	25,474	22,539	22,596	20,781	5,779	100,787
PG&E Outlet at Thermalito e Afterbay	19/3-19E**	Gravity								1,423	812	880	820	52	3,987
Sutter-Butte Canal Outlet e at Thermalito Afterbay	18/3-58**	Gravity	40,672	0				129	35,077	111,572	97,768	98,540	91,043	45,075	519,896
--OROVILLE DAM--	70.4														
FEATHER RIVER, TOTAL DIVERSIONS			75,305	36,849	19,060	6,413	198	399	42,989	205,213	184,227	192,367	173,821	69,534	1,006,379
** Divisions are via Thermalito Afterbay. Figures represent North Townships, East Ranges, and Sections. Letters represent the 1/4-1/4 sections which are lettered from A through R, excluding I and O, similar to the numbering of sections within a township. a Includes an undetermined amount of spill to river. b Records furnished by U. S. Bureau of Reclamation. c Records furnished by City of Yuba City. d Records furnished by Sutter Extension Water District. e Records obtained from Report of Operations: California Water Project. * Station located on bridge at or near center of stream.															
YUBA RIVER															
--HIGHWAY 99E BRIDGE--	0.0														
--DACEKREEK POINT DAM--	11.0														
Hallwood Irrigation District	11.0R	Gravity	5,387						4,580	18,105	13,805	12,522	12,510	8,983	75,894
Cordua Irrigation District	11.0R	Gravity	10,910						3,344	14,010	14,140	16,150	15,650	4,411	78,655
Browns Valley Irrigation District	11.7R	1-24 1-16 1-12 1-6	1,562						500	4,140	4,235	3,890	3,402	612	18,341
--DRY CREEK--	13.1R														
--DEER CREEK--	21.8L														
--ENCLEBRIGHT DAM--	22.8														
YUBA RIVER, TOTAL DIVERSIONS			17,859						8,424	36,255	32,180	32,562	31,602	14,008	172,890

Divisions for the irrigation period April through September are measured under a cooperative agreement between the Department and the Yuba County Water Agency.

TABLE B-6 (Continued)
 MISCELLANEOUS DIVERSIONS - SACRAMENTO RIVER - SACRAMENTO TO RED BLUFF *
 October 1974 through September 1975

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT - SEPT ACRE- FEET
			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	
--TOWER BRIDG - SACRAMENTO--	0.0														
--GOLDING STATION - SACRAMENTO RIVER AT SACRAMENTO--	0.0														
--AMERICAN RIVER--	1.11L														
Natomas Central Mutual Water Co.	2.15L								0	4	24	31	26	1	85
--STAGE STATION - SACRAMENTO RIVER AT SACRAMENTO WEIR	4.0R														
Natomas Central Mutual Water Co.	6.31L		364						102	1,976	1,714	2,106	1,746	81	9,107
Natomas Central Mutual Water Co.	7.51L		0						82	6	64	46	4	1	277
University of California	10.25L		0						0	17	164	171	194	0	544
Winks, C. A. and Sons	11.1R		0						0	70	180	171	124	2	586
Winkland Farms, Ltd.	12.0R		47						4,209	4,209	3,577	3,025	2,164		20,429
Natomas Central Mutual Water Co.	14.11L		18						70	1,275	1,251	1,264	2,548	1,278	11,047
Latter Day Saints Church	15.1R		0						0	20	1	136	45	1	272
Natomas Central Mutual Water Co.	16.10L		306						1,412	16,886	4,441	4,208	4,831	3,657	44,680
Hershey, Davidella, et al	16.27R		0						0	0	0	0	0	0	0
Deseret Farms of California	16.62R		0						17	35	63	120	96	6	333
Deseret Farms of California	17.0R		0						0	0	43	46	25	1	311
--CROSS CANAL - RECLAMATION DISTRICTS 1000 and 1001--	19.0L														
Natomas Central Mutual Water Co.	(1.05) L		0						1,173	4,929	4,388	4,338	4,758	1,167	21,348
Natomas Central Mutual Water Co.	(2.06) L		0						1,136	10,787	8,983	9,261	8,607	1,967	40,939
Pleasant Grove-Verona Mutual Water Company	(4.38) L		0						46	2,262	1,651	1,411	1,892	536	8,213
Pleasant Grove-Verona Mutual Water Company	(4.438) L		111						273	2,770	1,771	2,859	1,288	677	11,487
--FEATHER RIVER--	20.9L														
--SACRAMENTO SLOUGH--	1.12L														
Deseret Farms of California	22.5R		0						70	120	476	371	250	0	1,287
Furlan, Antonio, et ux.	26.8L		0						0	0	101	0	0	0	101
--STAGE STATION - SACRAMENTO RIVER AT FRONT WEIR, WEST END	27.9R														
Hershey, Estate, (Wallace & Son)	28.1R		0						0	188	199	78	57	0	522
Furlan, Antonio, et ux.	28.2L		0						0	103	43	90	0	0	236
Wallace Construction Co., Inc.	29.7R		0						0	174	111	153	99	63	600
Furlan, Antonio, et ux.	30.5L		0						0	147	87	0	47	0	281
Wallace Construction Co., Inc.	30.7R		0						0	64	35	32	45	32	248
Wallace Construction Co., Inc.	32.1R		0						0	311	330	486	510	35	2,072
Sutter Mutual Water Co.	32.4L		0						286	3,390	1,555	3,354	3,478	1,747	15,610
MCM Properties	33.75L		0						0	193	87	170	268	135	853
--GAGING STATION - SACRAMENTO RIVER AT KNIGHTS LANDING--	34.0L														
River Garden Farms Co.	34.5R		0						885	4,221	4,467	3,744	3,921	992	18,235
Title Insurance and Trust Co.	35.2L		0						129	48	0	0	0	0	177
Sutter Mutual Water Co.	40.6L		0						1,224	7,654	7,086	6,088	6,416	1,639	30,122
River Garden Farms Co.	41.0R		0						127	1,046	1,160	1,045	1,039	389	4,816
Reclamation District No. 108	43.1R		0						173	7,986	7,742	7,597	7,237	242	30,979
River Garden Farms Co.	43.1R		0						930	1,318	692	698	298	68	4,004
Reclamation District No. 108	43.4R		0						0	112	113	115	36	37	455
Clauss, John, Jr., et al.	44.2L		0						0	0	0	0	0	0	0
Clauss, John, Jr., et al.	45.6L		0						0	0	0	121	0	0	121
Clauss, John, Jr., et al.	46.45L		0						240	638	254	245	46	0	1,473
Menie, John R., et ux.	46.5L		0						0	0	83	94	0	0	177
Oyl, Mason, et al.	48.7L		0						144	762	999	1,010	1,112	387	4,469
Hiatt, Glenwood J., et al.	49.0L		0						36	123	356	97	48	0	660
Hiatt, Glenwood J., et al.	49.7L		0						0	297	116	336	366	84	1,204
Reclamation District No. 108	51.1R		0						1,206	4,822	4,636	4,712	5,276	1,048	21,700
Leal and Montna	51.2L		0						63	811	946	1,040	184	0	3,044
Reclamation District No. 108	53.6R		0						249	1,414	1,183	2,212	1,890	387	7,335
Chaplin, May B., et al	55.1L		0						0	158	56	79	0	0	293

TABLE B-6 (Continued)
MISCELLANEOUS DIVERSIONS - SACRAMENTO RIVER - SACRAMENTO TO RED BLUFF *
October 1974 through September 1975

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT-SEPT ACRE- FEET
			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	
Chaplin, May B., et al.	56.3L		0						0	0	0	0	0		
Reclamation District No. 108	56.4R		2						1,042	14	1,691	0	0	0	4,737
Chaplin, May B., et al.	56.95L		0						211	1,220	1,030	1,116	496	101	4,280
Peiger Mutual Water Co.	57.25L		0						493	343	21	0	1,222	0	2,080
Title Insurance and Trust Co.	58.3L		0						0	0	131	202	0	0	333
Reclamation District No. 108	59.15R		0						0	328	35	294	21	0	658
Lerner, William A., et al.	60.4L		23						78	639	0	662	249	0	2,430
Reclamation District No. 108	61.05R		0						0	0	0	0	0	0	0
Reclamation District No. 108	61.2R		0						0	42	0	82	69	0	193
Reclamation District No. 108	62.3R		0						0	201	138	131	187	0	457
Reclamation District No. 108	62.6R		15						0	2	12	29	3	0	59
Reclamation District No. 108	63.2R		0						11,087	22,228	1,934	2,833	19,191	1,268	57,542
Sutter Mutual Water Co.	63.75L		0						22,191	47,121	15,722	42,471	38,100	8,200	151,805
Oji Brothers Farm, Inc.	63.9L		0						0	207	223	401	171	0	702
--STAGE STATION - SACRAMENTO RIVER AT TISDALE WEIR--	64.2L														
Tisdale Irrigation and Drainage Co.	64.4L		0						103	470	492	221	408	146	1,340
Tisdale Irrigation and Drainage Co.	67.1L		0						241	1,647	1,549	1,232	1,189	490	6,348
Wanship, Alan D., et al.	67.1L		0						0	62	0	59	49	0	171
Newhall Land and Farming Co.	67.5L		0						380	1,082	1,725	494	0	0	2,681
Meridian Farms Water Co.	68.8L		0						0	0	0	0	0	0	0
Reclamation District No. 108	70.4R		39						839	1,174	1,305	1,240	1,487	0	6,045
Meridian Farms Water Co.	71.1L		0						939	1,648	1,526	1,563	1,626	249	7,061
Andreotta, Otterina, et al.	72.1L		0						67	891	720	851	819	301	2,849
Meridian Farms Water Co.	74.8L		0						239	1,031	966	1,026	906	142	4,363
Davis, Olive Percy, et al.	77.8R		0						27	282	117	297	382	0	1,098
Davis, Olive Percy, et al.	78.15R		275						1,947	1,525	1,382	1,327	1,104	47	14,939
Davis, Olive Percy, et al.	78.73R		183						261	758	668	637	663	0	2,953
Davis, Olive Percy, et al.	78.8R		0						873	2,237	2,414	1,744	1,820	0	9,142
Meridian Farms Water Co.	80.0L		0						1,739	4,087	4,226	4,463	3,914	833	19,282
Tomlinson, Fred L., et al.	81.5L		0						80	386	147	92	17	0	528
Tomlinson, Fred L., et al.	81.8L		0						0	0	18	14	16	0	48
Reclamation District No. 1004	85.3L		0						0	0	12	12	2	0	26
Swinford Tract Irrigation Co.	87.3R		0						0	78	71	57	37	0	243
Colusa Irrigation Co.	89.2R		0						0	260	281	243	106	82	972
Reclamation District No. 1004	89.25L		0						0	660	387	240	373	221	1,681
Roberts Ditch Irrigation Co., Inc.	90.7R		41						472	476	547	477	379	92	1,884
--STAGE STATION - SACRAMENTO RIVER AT COLUSA WEIR--	92.6L														
Lovvorn, Wilson M., et al.	93.15R		0						0	187	110	120	12	0	429
Wilbur, Roger C.	95.25L		79						0	282	263	374	238	16	219
Lewis, Joan, et al.	95.6L		393						42	923	702	735	778	22	2,883
Gritton, J. T., et al.	95.75L		0						16	63	22	131	209	104	545
Gritton, J. T., et al.	95.8L		0						0	829	720	444	283	0	2,286
Wells, Joyce	98.6L		0						93	239	279	164	101	150	948
Hunter Estate	98.6L		0						121	330	286	144	109	133	1,123
Sectane Mutual Water Co.	99.25L		0						0	678	677	829	984	0	3,168
Ferry, David	99.8L		150						24	376	344	389	537	0	1,776
Ferry, David	100.0L		0						0	0	69	1	87	0	237
Colusa Properties, Inc.	101.8L		0						0	120	39	90	111	0	360
Carter, Robert E.	102.9L		0						0	0	0	0	0	0	0
--STAGE STATION - SACRAMENTO RIVER AT MOULTON WEIR--	103.6R														
Maxwell Irrigation District	103.8R		88						893	1,702	1,280	1,221	0	0	5,096
Zumwalt Orchards, Inc.	104.8L		0						0	64	44	17	0	0	125
Cannell, Fred, et al.	106.0R		0						0	217	263	187	0	0	667
Reclamation District No. 1004	112.1L		2,776						1,746	14,227	13,762	1,013	0	0	30,748

TABLE B-6 (Continued)
MISCELLANEOUS DIVERSIONS - SACRAMENTO RIVER - SACRAMENTO TO RED BLUFF *
October 1974 through September 1975

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT-SEPT. ACRE-Feet
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Princeton-Codora-Glenn Irrigation District	112.4R		0						2,169	4,529	5,504	4,559	3,435	1,241	21,437
--GAGING STATION - SACRAMENTO RIVER AT BUTTE CITY--	115.8L														
Princeton-Codora-Glenn Irrigation District	123.9R		297						5,210	10,449	9,468	9,778	9,454	2,610	47,266
Provident Irrigation District	124.2R		2,290						6,768	9,923	12,333	10,441	6,895	2,105	50,735
--GAGING STATION - SACRAMENTO RIVER AT OLD FERRY--	130.8R														
M. & T., Incorporated	141.5L		38						45	186	169	504	719	226	1,887
--GAGING STATION - SACRAMENTO RIVER AT HAMILTON CITY--	149.5L														
Glenn-Colusa Irrigation District	154.8R		32,312						90,906	165,623	160,049	159,178	148,709	54,447	811,224
Provident Irrigation District	154.8R	Gravity	0						230	1,302	1,656	1,502	1,118	0	6,028
--RED BLUFF BRIDGE--	193.45														
SACRAMENTO RIVER, TOTAL DIVERSIONS			40,271						166,006	392,472	390,321	369,306	336,261	103,609	1,798,246

* All data furnished by the U. S. Bureau of Reclamation. Quantities from November through March are not measured.
a Mile 19.6L Cross Canal. Distance from Sacramento River and bank are shown in parentheses.

TABLE B-6 (Continued)
DIVERSIONS - MOKELUNNE RIVER
October 1974 through September 1974

WATER USER	MILE AND BANK ABOVE NEW HOPE BRIDGE	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT - SEPT ACRE - FEET
			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	
BELOW WOODBRIDGE DAM															
Albin G. Steffan	8.7R	1-12													
	10.6R	1-16	10			19	44		51	572	583	523	552	539	3,258
	12.7R	1-12	112	14					535	705	648	571	583	218	3,372
Cranston Vineyards	12.71L	1-6										14	5		19
Mrs. Julie Blattler	15.5R	1-4	4									31	9		44
W. C. Taddei	15.6R	1-6							5	9	22	26	24		86
Mrs. Rose J. Kinde	16.8R	1-6									1	107	56	107	11
James Piazza	17.96R	1-6									28	38	72	31	37
Warren Hargrave	18.18L	1-7 1/2										5			5
--GAGING STATION - MOKELUNNE RIVER AT WOODBRIDGE--	19.2R														
--SACRAMENTO ROAD BRIDGE--	19.8														
--WOODBRIDGE IRRIGATION DISTRICT DAM--	19.9														
MOKELUNNE RIVER BELOW WOODBRIDGE DAM															
Total diversions			222	14		19	44	51	1,132	1,326	1,383	1,296	1,284	521	7,272
Average cubic feet per second			4	0		0	1	1	18	22	23	21	21	9	

<u>WOODBRIDGE DAM TO CANANVILLE DAM</u>															
--WOODBRIDGE IRRIGATION DISTRICT DAM--	19.9														
Woodbridge Irrigation District	19.9L	Gravity	8,070					684	4,270	17,040	18,580	20,160	19,040	11,630	99,474
Arthur J. Hoffman	21.85R	1-10	5						113	.67	23	12	14	10	244
C. N. Fillhardt	22.1R	1-6										3	4		10
James W. Baum	22.5R	1-5									1	2	5	3	12
Robert Peters	23.03R	1-3									1	2	2	1	7
Cecil Mumbert	23.4R	1-4										28	22	59	109
--SOUTHERN PACIFIC RAILROAD BRIDGE--	23.6														
Occidental Petroleum Corporation	24.01L	1-4											28		28
	24.12L	1-1 1/2													
--HIGHWAY 99 BRIDGE	24.2														
R. Vaccarezza	24.8L	1-5													
Ray A. Mettler	25.2R	1-10							1		22	5	9		37
--CENTRAL CALIFORNIA TRACTION COMPANY BRIDGE--	25.6														
W. F. Johnson	26.3L	1-4									18	7	7		32
Richard Wagers	26.35L	1-2									1	3	1		5
Nakagawa Brothers	26.9R	1-5										12	12	29	87
James Gott	27.5L	1-5									30	44	52		126
Rose Linde	27.6L	1-8									1	12		10	23
Cranston Vineyards	27.9L	1-10													
Nakagawa Brothers	27.97R	1-8									104	22	28		336
Frankie C. Dick	28.59L	1-6													
Nakagawa Brothers	28.6R	1-6	6									42	9	62	157
	28.71R	1-4							6	2	3	8	7	38	33
Dr. R. Burley & Dr. R. Van Gelder	29.9R	1-8									35	29	19		83
Enil Bender	30.0L	1-10									4	3	1	3	11
--BRUELLA ROAD BRIDGE--	30.0														
A. Knoll	30.13L	1-8										4	12		16
V. W. Hoffman	30.15L	1-8	21								27	27	34	47	211
Hugh Davis	30.35R	1-6	3								89	24	23	20	183
J. J. Schmiedt	30.95L	1-7											46		46
Leon Kirschenmann	31.0L	1-8										44	22	7	77
V. W. Hoffman and Sons	31.45R	1-5									34	1			35
Sun-Bar Ranch	31.7L	1-5											22	27	118
John Craffigna Estate	31.8R	1-7													
Lawrence Jones	32.29L	1-14									194	19	32		245
<u>NO DIVERSION</u>															

TABLE D-6 (Continued)
DIVERSIONS - HOWLAND RIVER
October 1974 through September 1975

WATER USER	MILE AND BANK ABOVE NEW HOPE BRIDGE	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT-SEPT ACRE- FEET
			OCT	NOV	DEC	JAN	FEB	MAR	APR.	MAY	JUNE	JULY	AUG	SEPT	
MOOREBRIDGE DAM TO CANADIAN DAM (Continued)															
North San Joaquin Water Conservation District	32.0L	3-14 1-16 1-18	268					2	344	1,678	1,724	1,980	1,778	773	8,547
John Kowitz b	32.3JR	1-6							28		13	23	13		77
William J. Lange	32.6R	1-1 1/2						NO DIVERSION							
Chester M. Locke	33.2SL	1-10								68	8	15	117	308	516
Cranston Vineyards	33.4SR 33.6R	1-8 1-8						NO DIVERSION							
Mokelumne North Irrigation Assn., Inc.	33.69R	2-10 1-12								127	108	225	209	26	695
N. C. Locke	33.7L	1-12	2					236	19	81	212	186	1		738
T. and E. Schriener	33.8R	1-4							19		13	12			44
Pritam Singh Dhalwal	34.0SR	1-4								14	12	8	8	1	43
Norman Knoll	34.1R 34.3R	1-4 1-4							90 20	36 31	42 26	19 13	21 15	4	148 109
--ELLIOTT ROAD BRIDGE--	34.35														
J. Hull, J. Graham, and T. Hess	34.5R	1-4						NO DIVERSION							
Dr. D. D. Jacobsen	34.55L	1-10	2							20	19	14	22	19	96
Donald Smith	34.55L	1-1 1/2	1							2	2	1	1	1	8
Agri-Management	34.6R	1-5						NO DIVERSION							
H. Bava, D. Feneilla, and Dr. Sarrett	34.75L	1-16		76			61	59	27	66	183	127	119	16	734
Agri-Management	35.14R	1-16					8	8	23	64	65	84	41	9	302
A. Paredes, M. Gresham, and R. Tucker	35.2L	1-8	37							34	97	79	43	41	251
El Rio Vineyards	35.31R	2-10	62	33			66	42	60	66	164	231	46	92	862
Manuel Machado	35.4L	1-8	5			29	4		7	7	4	106	46		208
R. D. Mehthaff	35.7L 35.7L	1-6 1-8			9	6	13 8	19 5	85 4	91	91	91	59	59	434 17
I. H. Quessenberry	35.9L	1-7			8					36	38	34			116
Ferdie F. Sievers	36.0L	1-6	2						26	55	71	41	16	6	227
Ossie Parker	36.45L	1-12									146	144	7		297
J. R. Widerrich	36.75L	1-5								6	18	21	19	9	73
W. L. Moffat, et al	37.45R 37.65L	1-8 1-10							118		105	73	118		414 318
Harris Vineyards c	37.7R	1-12									11	12			23
Frank Lucchesi	38.0L 38.1L	1-6 1-8							16 31		15 36		14 40		45 107
R. and R. Sutter	38.3L	1-10							44	26	125	102	2	18	317
Ruben Gochring	38.5L	1-12						NO DIVERSION							
Clements Estate	39.0L	1-12	204	1					281	461	557	388	276	180	2,368
H. S. Magee Estate	39.25L	1-5								9	7	6	8	6	36
--OLD CLEMENTS BRIDGE--	39.3														
L. and T. Deluca	39.59L	1-4							2			9			11
Bill Waeham	39.6L	1-6	6							42	50	50	37	39	224
J. N. Henry	39.9R	1-6						NO DIVERSION							
Samuel West d	40.48L	1-2 1/2								18	28	18	15	12	91
Claude C. Wood Company	40.52L	1-6									25	28	34	18	105
N. Ostermann	40.53L	1-6						29		17	53	33	33	41	206
C. and A. Mehrien	40.72L	1-6								4	15	7	10	5	41
Harry Mason	40.83L	1-6						NO DIVERSION							
--HIGHWAY 88 BRIDGE--	41.00														
John Sutphin	41.14L	1-3								20	20	26			66
C. Fukuhara and R. Nakashima	41.14R	1-2 1-8									4 81	1 49	2 16	3 18	10 164
H. F. Lesage	41.23R	1-7 1/2			3				7	7	4	10			31
L. A. Rozzoni Estate	41.40L	1-10						NO DIVERSION							
Clarence Jones	42.11R	1-8	11	2				2	9	24	35	54	17	12	166
George W. Beggs	42.64L	1-6						6	24	61	64	31	38		224
P. W. Olivera	42.66R	1-3	7							17	10	16	11	20	81

TABLE D-6 (Continued)
 LIVEJOINT - MORELUNG RIVER
 October 1974 through September 1975

WATER USER	MILE AND BANK ABOVE NEW HOVE BRIDGE	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT-SEPT ACRE-FEET
			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	
WOODBRIDGE DAM TO CAMANCHE DAM (Continued)															
George W. Beggs	42.97L	1-6	6						2	5	14	15			27
	42.99L	1-8	50	35					30	65	25	26	21	24	274
--CAMANCHE RIVER ORDER - MORELUNG RIVER BELOW CAMANCHE DAM--	43.00														
P. W. Olivera	43.15R	1-6	6							13	7	15	13	16	20
--CAMANCHE DAM--															
MORELUNG RIVER, WOODBRIDGE DAM TO CAMANCHE DAM															
Total diversions			8,774	147	3	46	147	1,086	6,130	20,609	21,397	23,201	22,591	13,699	121,836
Average cubic feet per second			143	2	0	1	2	18	103	333	393	410	367	230	168

Note: All diversion data were furnished by the East Bay Municipal Utility District.

- a Formerly listed as Mrs. James Gott
- b Formerly listed as G. R. Kalange
- c Formerly listed as Maria Costa et al
- d Formerly listed as Dr. Donald L. Farrell

TABLE B-7
DELIVERIES FROM FOLSOM AND YUBAS RESERVOIRS
October 1974 through September 1975

Water User		Monthly Diversion in Acre-Feet												Total
		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
<u>City of Folsom</u>														
Total acre-feet	a	1,432	1,068	862	1,178	853	1,001	939	1,120	1,362	1,543	1,578	1,563	14,419
Average cubic feet per second		23	18	14	18	13	16	16	18	23	25	26	26	20
Monthly quantities in percent of seasonal		9.9	7.4	5.9	7.8	5.9	6.9	6.5	7.8	9.5	10.7	10.9	10.8	
<u>City of Roseville</u>														
Total acre-feet	a	547	276	289	243	205	308	412	870	1,084	1,146	1,065	927	7,372
Average cubic feet per second		9	5	5	4	4	5	7	14	18	19	17	16	10
Monthly quantities in percent of seasonal		7.4	3.7	3.9	3.3	2.8	4.2	5.6	11.8	14.7	15.6	14.4	12.6	
<u>Cordova Water Service</u>														
Total acre-feet	a	551	486	383	508	388	455	427	509	619	701	717	710	6,554
Average cubic feet per second		11	8	6	8	7	7	7	8	10	11	12	12	9
Monthly quantities in percent of seasonal		9.9	7.4	5.9	7.8	5.9	7.0	6.5	7.8	9.4	10.7	10.9	10.8	
<u>San Juan Suburban Water Service</u>														
Total acre-feet	a	3,494	1,159	1,588	1,731	1,341	1,370	1,887	4,238	5,669	6,065	5,468	4,722	38,932
Average cubic feet per second		57	23	26	28	24	22	32	69	95	99	89	79	54
Monthly quantities in percent of seasonal		9.0	3.5	4.1	4.4	3.4	3.5	4.9	10.9	14.6	15.6	14.0	12.1	
<u>State of California</u>														
Total acre-feet	a	84	57	23	82	99	112	112	127	135	140	126	108	1,205
Average cubic feet per second		1	1	0	1	2	2	2	2	2	2	2	2	2
Monthly quantities in percent of seasonal		7.0	4.7	1.9	6.8	8.2	9.3	9.3	10.5	11.2	11.6	10.5	9.0	

TABLE B-8
IMPORTATIONS INTO NORTHEASTERN CALIFORNIA
October 1974 through September 1975

Water User	Monthly Diversion in Acre-Feet												Total	
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		
Clear Creek Powerplant	a													
Total acre-feet		138,260	17,310	21,080	19,880	15,120	22,990	166,450	70,840	174,840	132,980	134,930	120,080	1,034,760
Average cubic foot per second		2,249	291	343	323	272	374	2,797	1,152	2,938	2,163	2,194	2,018	1,429
Monthly quantities in percent of seasonal		13.4	1.7	2.0	1.9	1.5	2.2	18.1	6.8	18.9	12.9	13.0	11.6	

TABLE B-9
EXPORTATIONS FROM NORTHEASTERN CALIFORNIA
October 1974 through September 1975

Water User		Monthly Diversion in Acre-Feet												Total
		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
<u>East Bay Municipal Utility District</u>		<u>MOCKINGBIRD RIVER</u>												
Total acre-feet	b	16,031	18,032	18,566	18,559	14,145	14,068	11,736	18,215	22,045	22,361	23,825	20,965	219,148
Average cubic feet per second		261	303	302	302	235	239	197	296	370	364	387	352	303
Monthly quantities in percent of seasonal		7.3	8.2	8.5	8.5	6.4	6.7	5.4	8.3	10.0	10.2	10.9	9.8	
		<u>FUTAH CREEK</u>												
<u>Futah South Canal</u>	a													
Total acre-feet	d	14,305	2,198	1,555	1,730	1,225	3,474	18,395	38,297	40,362	38,395	36,851	25,797	222,524
Average cubic feet per second	d	233	37	25	28	22	56	309	621	678	624	599	404	307
Monthly quantities in percent of seasonal	d	6.4	1.0	0.7	0.8	0.5	1.5	8.3	17.2	18.1	17.3	16.6	11.6	
<u>City of Vallejo</u>		<u>GROVE SHALIM</u>												
Total acre-feet	c	1,422	1,252	1,159	1,106	984	1,289	1,140	1,333	1,367	1,455	1,497	1,415	15,419
Average cubic feet per second		23	21	19	18	16	21	19	22	23	24	24	24	21
Monthly quantities in percent of seasonal		4.2	8.1	7.5	7.2	6.4	8.4	7.4	8.6	8.9	9.4	9.7	9.2	
		<u>OLD RIVER</u>												
<u>Comita Grays Canal</u>	a													
Total acre-feet		6,036	4,235	4,650	4,138	4,902	4,503	5,768	6,875	9,929	10,745	10,518	8,150	79,146
Average cubic feet per second		98	71	59	67	83	73	97	112	167	175	171	137	109
Monthly quantities in percent of seasonal		7.6	5.4	4.8	5.2	5.8	5.7	7.3	8.7	12.5	13.6	13.3	10.3	
<u>Delta-Mendocino Canal</u>														
Total acre-feet	a	215,640	0	627	165,228	131,300	131,177	230,702	242,842	237,788	283,595	276,187	216,447	2,348,428
Average cubic feet per second		3,562	0	10	2,887	2,189	2,190	4,213	4,049	3,996	4,812	4,601	3,538	3,244
Monthly quantities in percent of seasonal		9.0	0	0.1	7.0	9.9	9.8	10.7	10.3	10.1	12.1	11.8	9.2	
<u>California Aqueduct</u>														
Total acre-feet		6,136	110,990	170,760	166,809	135,353	136,998	117,508	93,428	12,292	16,495	253,545	233,444	1,509,828
Average cubic feet per second		1,011	1,865	2,777	2,774	2,237	2,278	1,975	1,519	207	268	4,123	3,923	2,086
Monthly quantities in percent of seasonal		4.1	7.3	11.3	11.0	9.0	9.1	7.8	6.2	0.8	1.1	18.8	15.3	

a Data furnished by U. S. Bureau of Reclamation.

b Data furnished by East Bay Municipal Utility District.

c Data furnished by City of Vallejo.

d Amounts are total diversion into the canal, only an unknown portion of this is exported from northeastern California.

TABLE B-10

MAXIMUM AND MINIMUM GAGE HEIGHTS

This table contains the historical maximum and the annual maximum and minimum gage heights for selected stations formerly reported in the "Daily Mean Heights" table.

Discharges corresponding to the reported maximum gage heights are included in the table. Due to possible changes in gage height-discharge relationships, the discharges may not be record or annual maximums. Discharges are rounded off in accordance with the procedures described in Table B-5, "Daily Mean Discharge".

Historic data include the location, period of record, gage height datum, and a brief description of each station.

TABLE B-10 (Continued)
MAXIMUM AND MINIMUM GAGE HEIGHTS

Station Name: <u>SACRAMENTO RIVER AT KESWICK</u>				Station Number: A21010		Water Year: 1975	
Location:	LAT 40 36 04	LONG 122 26 36	NW Sec 28 T32N R5W MDB&M	Period of Record: 1938 to DATE			
Historic:	Maximum Gage Height: *47.20	Discharge: *186,000 cfs	Date: 2-28-40	Time:	Zero of Gage:	495.01 USCGS	
Water Year:	Maximum Gage Height: 32.20	Discharge: 78,900 cfs	Date: 1-24-70	Time:	Zero of Gage:	479.81 USCGS	
	Minimum Gage Height: 24.32	Discharge: 37,600 cfs	Date: 3-19-75	Time: 2315	Zero of Gage:	479.81 USCGS	
* - Prior to regulation by Shasta Lake							
Station located 0.8 mile below Keswick Dam, 1.6 miles below Keswick. Flow regulated by Shasta Lake. Records furnished by USGS. Drainage area, excluding Goose Lake Basin, is approximately 6,468 square miles.							
Station Name: <u>SACRAMENTO RIVER ABOVE BEND BRIDGE NEAR RED BLUFF</u>				Station Number: A02788		Water Year: 1975	
Location:	LAT 40 17 19	LONG 122 11 08	NE Sec 15 T28N R3W MDB&M	Period of Record: 1967 to DATE			
Historic:	Maximum Gage Height: 36.60	Discharge: 157,000 cfs	Date: 1-24-70	Time:	Zero of Gage:	0.00 Local	
Water Year:	Maximum Gage Height: 24.44	Discharge: 84,600 cfs	Date: 2-13-75	Time: 1130	Zero of Gage:	0.00 Local	
	Minimum Gage Height:		Date:	Time:			
Station located 2.7 miles upstream from Bend Bridge, 8.1 miles NE of Red Bluff. Records furnished by USGS. Drainage area is 8,900 square miles.							
Station Name: <u>SACRAMENTO RIVER AT VINA BRIDGE</u>				Station Number: A02700		Water Year: 1975	
Location:	LAT 39 54 34	LONG 122 03 31	NE Sec 28 T24N R2W MDB&M	Period of Record: 1945 to DATE			
Historic:	Maximum Gage Height: 91.48	Discharge: 171,000 cfs	Date: 1-24-70	Time: 0530	Zero of Gage:	100.00 USED	
Water Year:	Maximum Gage Height: 85.26	Discharge: 106,000 cfs	Date: 2-13-75	Time: 1730	Zero of Gage:	97.15 USCGS	
	Minimum Gage Height: 66.63	Discharge: 7,870 cfs	Date: 1-4-75	Time: 0400			
Station located 250 feet above Vina-Corning Highway Bridge, 2.6 miles SW of Vina. The maximum discharge of record is for the main river channel and does not include water by-passing the station on the left bank. Flow regulated by Shasta Lake since December 30, 1943. Approximately 190,000 acre-feet diverted from the river between Keswick and Vina in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 1963. Drainage area, excluding Goose Lake Basin, is approximately 10,930 square miles.							
Station Name: <u>SACRAMENTO RIVER AT HAMILTON CITY</u>				Station Number: A02630		Water Year: 1975	
Location:	LAT 39 45 07	LONG 121 59 43	NE Sec 20 T22N R1W MDB&M	Period of Record: 1927 to DATE			
Historic:	Maximum Gage Height: *22.60	Discharge: 350,000 E cfs	Date: 2-28-40	Time:	Zero of Gage:	127.9 USED	
Water Year:	Maximum Gage Height: 49.05	Discharge: 158,000 cfs	Date: 1-17-74	Time: 1415	Zero of Gage:	100.0 USED	
	Maximum Gage Height: 44.99	Discharge: 103,000 cfs	Date: 2-13-75	Time: 2345	Zero of Gage:	96.5 USCGS	
	Minimum Gage Height: 28.50	Discharge: 7,340 cfs	Date: 9-9-75	Time: 1930			
* - Prior to regulation by Shasta Lake							
Station located at Glanella Bridge, State Highway 32, 1.0 mile NE of Hamilton City. The maximum discharges of record since February 1940 are for the main river channel and do not include water by-passing the station on the left bank. Flow regulated by Shasta Lake since December 30, 1943. Approximately 950,000 acre-feet diverted from the river between Keswick and Hamilton City in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 1963. Drainage area, excluding Goose Lake Basin, is approximately 11,060 square miles.							
Station Name: <u>SACRAMENTO RIVER AT ORD FERRY</u>				Station Number: A02570		Water Year: 1975	
Location:	LAT 39 37 39	LONG 121 59 28	SE Sec 32 T21N R1W MDB&M	Period of Record: *1921 to DATE			
Historic:	Maximum Gage Height: *121.70	Discharge: 370,000 cfs	Date: 2-28-40	Time:	Zero of Gage:	0.00 USED	
Water Year:	Maximum Gage Height: 64.05	Discharge: 101,000 cfs	Date: 2-14-75	Time: 0715	Zero of Gage:	50.00 USED	
	Minimum Gage Height: 47.27	Discharge: 7,690 cfs	Date: 9-10-75	Time: 0015			
* - 1921 to 1941 Flood season only							
* - Prior to regulation by Shasta Lake							
Station located 0.1 mile below Ord Ferry. Records of flows in excess of 70,000 cubic feet per second are not reliable due to an undetermined amount of water by-passing the station via Butte Basin. Flow regulated by Shasta Lake since December 30, 1943. Approximately 980,000 acre-feet diverted from the river between Keswick and Ord Ferry in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 1963. Drainage area, excluding Goose Lake Basin, is approximately 12,480 square miles.							
Station Name: <u>SACRAMENTO RIVER AT BUTTE CITY</u>				Station Number: A02300		Water Year: 1975	
Location:	LAT 39 27 28	LONG 121 59 35	NE Sec 32 T19N R1W MDB&M	Period of Record: 1929 to DATE			
Historic:	Maximum Gage Height: *96.87	Discharge: 170,000 cfs	Date: 2-7-42	Time:	Zero of Gage:	0.00 USED	
Water Year:	Maximum Gage Height: 90.62	Discharge: 91,000 cfs	Date: 2-14-75	Time: 1330	Zero of Gage:	0.00 USED	
	Minimum Gage Height:		Date:	Time:			
Station located at highway bridge, 0.5 mile S of Butte City. Maximum discharge of record listed is for period 1940 to date. Records furnished by USGS.							
* - Prior to regulation by Shasta Lake							

TABLE B-10 (Continued)
MAXIMUM AND MINIMUM GAGE HEIGHTS

Station Name: <u>SACRAMENTO RIVER AT COLUSA</u>				Station Number: A0420		Water Year: 1975	
Location:	LAT 39 12 31	LONG 121 04 37	NE Sec 24 T10N R2E MDB&N		Period of Record: 1940 to DATE		NOTE
Historic:	Maximum Gage Height: 69.20	Discharge: 49,000 cfs	Date: 2-8-42	Time:	Zero of Gage: 0.00 USED		
Water Year:	Maximum Gage Height: 65.15	Discharge: 41,400 cfs	Date: 2-14-75	Time: 2:10	Zero of Gage: 0.00 USED		
	Minimum Gage Height:		Date:	Time:			
* - Prior to regulation by Shasta Lake							
Station located just below bridge at Colusa. Maximum discharge of record listed is for period 1928 to date. Records furnished by USGS. Drainage area 12,096 square miles.							
Station Name: <u>CHEROKEE CANAL NEAR RICHVALE</u>				Station Number: A0298		Water Year: 1975	
Location:	LAT 39 27 51	LONG 121 44 37	NE Sec 24 T10N R2E MDB&N		Period of Record: 1940 to DATE		
Historic:	Maximum Gage Height: 12.80	Discharge: 43,200 cfs	Date: 10-12-62	Time:	Zero of Gage: 88.20 USED		
Water Year:	Maximum Gage Height: 11.90	Discharge: 7,130 cfs	Date: 2-14-75	Time: 2:10	Zero of Gage: 88.20 USED		
	Minimum Gage Height: 1.81		Date: 10-6-74	Time: 1:40			
Station located at Butte City Road Bridge, 2.1 miles S of Richvale. Backwater from Cherokee Dam weir, 1.1 miles below station, at times affects the stage-discharge relationship. Weir has no gate and is operated by the Richvale Irrigation District.							
Station Name: <u>SACRAMENTO RIVER BELOW WILKINS SLOUGH</u>				Station Number: A0280		Water Year: 1975	
Location:	LAT 39 00 36	LONG 121 49 25	NE Sec 14 T10N R2E MDB&N		Period of Record: 1931 to DATE		
Historic:	Maximum Gage Height: 54.75	Discharge: 29,300 cfs	Date: 3-1-40	Time: 1:26-70	Zero of Gage: 0.00 USED		
Water Year:	Maximum Gage Height: 48.58	Discharge: 27,100 cfs	Date: 2-23-75	Time: 1830	Zero of Gage: 0.00 USED		
	Minimum Gage Height:		Date:	Time:			
* - Prior to regulation by Shasta Lake							
Station located 0.3 mile below Wilkins Slough Pumping Plant of Reclamation District 108, 1.3 miles below Tisdale Weir, 6 miles SE of Grimes. Maximum discharge of record listed is for period 1928 to date. Records furnished by USGS.							
Station Name: <u>COLUSA BASIN DRAIN AT HIGHWAY 20</u>				Station Number: A0296		Water Year: 1975	
Location:	LAT 39 11 44	LONG 122 03 34	NE Sec 34 T10N R2E MDB&N		Period of Record: 1924 to DATE		
Historic:	Maximum Gage Height: 51.93	Discharge: 23,400 cfs	Date: 2-21-38	Time:	Zero of Gage: 0.00 USED		
Water Year:	Maximum Gage Height: 48.14	Discharge: 4,470 cfs	Date: 2-13-75	Time: 1530	Zero of Gage: 0.00 USED		
	Minimum Gage Height: 37.21	Discharge: 59.0 cfs	Date: 3-1-75	Time: 2030			
* - 1924 to 1940, Irrigation season only							
Station located at State Highway 20 Bridge, 3.0 miles W of Colusa.							
Station Name: <u>COLUSA BASIN DRAIN AT KNIGHTS LANDING</u>				Station Number: A0295		Water Year: 1975	
Location:	LAT 38 47 58	LONG 121 43 27	SW Sec 14 T11N R2E MDB&N		Period of Record: 1924 to DATE		
Historic:	Maximum Gage Height: 36.8	Discharge:	Date: 2-10-42	Time:	Zero of Gage: 0.00 USED		
Water Year:	Maximum Gage Height: 29.36	Discharge: NA	Date: 2-14-75	Time: 1130	Zero of Gage: 0.00 USED		
	Minimum Gage Height: 20.70	Discharge: 0.0	Date: 2-17-75	Time: 0415			
* - 1924 to 1940 Irrigation season only							
Station located at Knights Landing Outfall Gates, 0.3 mile W of Knights Landing. Tributary to Sacramento River. Flow regulated by outfall gates. An undetermined amount of flow is diverted to Yolo Bypass via Ridge Cut at Knights Landing. For total flow to Sacramento River, combine with the flows of Reclamation District 787 to Colusa Basin Drain.							
Station Name: <u>SACRAMENTO RIVER AT KNIGHTS LANDING</u>				Station Number: A02200		Water Year: 1975	
Location:	LAT 38 48 11	LONG 121 42 55	NE Sec 14 T11N R2E MDB&N		Period of Record: 1919 to DATE		
Historic:	Maximum Gage Height: 41.83	Discharge:	Date: 2-8-42	Time:	Zero of Gage: -3.02 USGS		
Water Year:	Maximum Gage Height: 37.29	Discharge: 27,200 cfs	Date: 3-23-75	Time: 1700	Zero of Gage: -3.02 USGS		
	Minimum Gage Height:		Date:	Time:			
Station located just above the Southern Pacific Railroad Bridge, 13.1 miles above Feather River immediately NE of Knights Landing. Station affected by backwater from Feather River and Sutter Bypass during periods of high flow. Maximum discharge of record listed is for period 1940 to date. Records furnished by USGS. Drainage area 14,341 square miles.							

TABLE B-10 (Continued)
MAXIMUM AND MINIMUM GAGE HEIGHTS

Station Name: <u>BUTTE SLOUGH NEAR MERIDIAN</u>				Station Number: A02972		Water Year: 1975	
Location:	LAT 39 10 20	LONG 121 54 02	NE Sec 7 T15N R1E MDB&M	Period of Record: #1934 to DATE			
Historic:	Maximum Gage Height: 61.64	Discharge: 150,000 cfs	Date: 1-26-70	Time: 0000	Zero of Gage: 0.00 USED		
Water Year:	Maximum Gage Height: 55.18	Discharge: 36,900 cfs	Date: 3-24-75	Time: 0245	Zero of Gage: 0.00 USED		
	Minimum Gage Height: 40.00	132 cfs	Date: 9-22-75	Time: 1745			
# - 1934 to 1937 Flood season only							
Station located on right bank 0.3 mile upstream from Farman Road, 2.0 miles NE of Meridian. Tributary to Sutter Bypass. Flow affected by gate operation. Flow during summer months is made up almost entirely of return water from land irrigated by Feather River diversions. During flood periods, Sacramento River water enters Butte Basin above Butte City from bank spill and spill over Moulton and Colusa Weirs.							
Station Name: <u>WADSWORTH CANAL NEAR SUTTER</u>				Station Number: A05929		Water Year: 1975	
Location:	LAT 39 09 12	LONG 121 44 00	NE Sec 15 T15N R2E BDB&M	Period of Record: 1961 to DATE			
Historic:	Maximum Gage Height: 53.62	Discharge: NA	Date: 1-26-70	Time:	Zero of Gage: 0.00 USED		
Water Year:	Maximum Gage Height: 47.97	Discharge: NA	Date: 2-12-75	Time: 2000	Zero of Gage: 0.00 USED		
	Minimum Gage Height: 37.71	NA	Date: 1-31-75	Time: 1415			
Station located at South Butte Road Bridge, 0.9 mile E of Sutter. Tributary to Sutter Bypass. This station and one 2.2 miles downstream are used to determine the slope for rating of canal. Records for January 1939 to March 1961 previously published as Wadsworth Canal at Butte House Road.							
Station Name: <u>YUBA RIVER NEAR MARYSVILLE</u>				Station Number: A06150		Water Year: 1975	
Location:	LAT 39 10 33	LONG 121 31 26		Period of Record: 1940 to DATE			
Historic:	Maximum Gage Height: 90.15	Discharge: 180,000 cfs	Date: 12-22-64	Time:	Zero of Gage: -2.95 USCGS		
Water Year:	Maximum Gage Height: 67.12	Discharge: 10,900 cfs	Date: 3-25-75	Time: 0730	Zero of Gage: -2.95 USCGS		
	Minimum Gage Height:		Date:	Time:			
Station located 5 miles below Dry Creek, 4.2 miles northeast of Marysville. Maximum discharge listed for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is 1,339 square miles.							
Station Name: <u>BEAR RIVER NEAR WHEATLAND</u>				Station Number: A06550		Water Year: 1975	
Location:	LAT 39 00 01	LONG 121 24 21	SW Sec 3 T13N R5E MDB&M	Period of Record: 1928 to DATE			
Historic:	Maximum Gage Height: 19.30	Discharge: 33,000 cfs	Date: 12-22-55	Time:	Zero of Gage: 78.92 USCGS		
Water Year:	Maximum Gage Height: 13.05	Discharge: 8,900 cfs	Date: 3-25-75	Time: 1400	Zero of Gage: 71.92 USCGS		
	Minimum Gage Height:		Date:	Time:			
Station located 100 feet below U. S. Highway 99E bridge, 1 mile southeast of Wheatland. Tributary to Feather River. Flow regulated by Camp Far West Reservoir. Records furnished by U. S. Geological Survey. Drainage area is 292 square miles.							
Station Name: <u>AMERICAN RIVER AT FAIR OAKS</u>				Station Number: A07175		Water Year: 1975	
Location:	LAT 38 38 08	LONG 121 13 36	NE Sec 17 T9N R7E MDB&M	Period of Record: 1904 to DATE			
Historic:	Maximum Gage Height: 31.85	Discharge: 180,000 cfs	Date: 11-21-50	Time:	Zero of Gage: 64.79 USCGS		
Water Year:	Maximum Gage Height: 9.85	Discharge: 8,450 cfs	Date: 3-25-75	Time: 1700	Zero of Gage: 71.53 USCGS		
	Minimum Gage Height:		Date:	Time:			
Station located 2,100 feet below Nimbus Dam, 2.4 miles east of Fair Oaks. Flow regulated by Folsom Lake. Maximum discharge listed at site and datum then in use. Records furnished by U. S. Geological Survey. Drainage area is 1,888 square miles.							
Station Name: <u>CACHE CREEK AT YOLO</u>				Station Number: A08125		Water Year: 1975	
Location:	LAT 38 43 31	LONG 121 48 22		Period of Record: 1903 to DATE			
Historic:	Maximum Gage Height: 85.35	Discharge: 41,400 cfs	Date: 2-25-58	Time:	Zero of Gage: 52.27 USCGS		
Water Year:	Maximum Gage Height: 69.71	Discharge: 15,000 cfs	Date: 3-22-75	Time: 0630	Zero of Gage: 0.00 USCGS		
	Minimum Gage Height:		Date:	Time:			
Station located 800 feet above U. S. Highway 99W bridge, 0.5 mile south of Yolo. Tributary to Yolo Bypass. Maximum discharge listed at present datum. Records furnished by U. S. Geological Survey. Drainage area is 1,139 square miles.							

TABLE B-10 (CONTINUED)
MAXIMUM AND MINIMUM GAGE HEIGHTS

Station Name:	<u>YOLO BYPASS NEAR WOODLAND</u>				Station Number:	A02935		Water Year:	1975
Location:	LAT 38 40 40	LONG 121 38 35	SE Sec 28 T10N R3E MDB&M		Period of Record:			1939 to DATE	
Historic:	Maximum Gage Height:	32.00	Discharge:	272,000 cfs	Date:	2-8-42	Time:	Zero of Gage: -3.41 USCGS	
Water Year:	Maximum Gage Height:	25.70	Discharge:	36,500 cfs	Date:	3-25-75	Time:	1530	Zero of Gage: -3.41 USCGS
	Minimum Gage Height:				Date:		Time:		

Station located just above the Sacramento-Woodland Railroad Bridge, 6 miles above the Sacramento Bypass, 7 miles below Fremont Weir, 7 miles east of Woodland. Supplementary water stage recorder, located 7 miles downstream, used for computations during periods of low flow. Stage-discharge relationship at supplementary recorder location at times affected by tidal action. Records furnished by U. S. Geological Survey.

Station Name:	<u>PUTAH CREEK NEAR WINTERS</u>				Station Number:	A91250		Water Year:	1975
Location:	LAT 38 30 55	LONG 122 04 51	NE Sec 28 T8N R2W MDB&M		Period of Record:			1930 to DATE	
Historic:	Maximum Gage Height:	30.50	Discharge:	81,000 cfs	Date:	2-27-40	Time:	Zero of Gage: 160.75 USCGS	
Water Year:	Maximum Gage Height:	12.98	Discharge:	3,870 cfs	Date:	3-25-75	Time:	1315	Zero of Gage: 160.75 USCGS
	Minimum Gage Height:				Date:		Time:		

Station located 1.3 miles below Monticello Dam, 6 miles west of Winters. Flow regulated by Lake Berryessa. Maximum discharge listed at present datum. Records furnished by U. S. Geological Survey. Drainage area is 574 square miles.

Station Name:	<u>MOSELUNE RIVER AT WOODBRIDGE</u>				Station Number:	B02105		Water Year:	1975
Location:	LAT 38 09 31	LONG 121 18 09	NE Sec 34 T4N R6E MDB&M		Period of Record:			1924 to DATE	
Historic:	Maximum Gage Height:	29.58	Discharge:	27,000 cfs	Date:	11-22-50	Time:	Zero of Gage: 14.90 USCGS	
Water Year:	Maximum Gage Height:	13.05	Discharge:	1,630 cfs	Date:	3-28-75	Time:	0930	Zero of Gage: 14.90 USCGS
	Minimum Gage Height:				Date:		Time:		

Station located 0.3 mile below county highway bridge, 0.4 mile below dam and canal intake of Woodbridge Irrigation District. Flow regulated by reservoirs and powerplants. Records furnished by U. S. Geological Survey. Drainage area is 661 square miles.

Station Name:	<u>COSUMES RIVER AT MICHIGAN BAR</u>				Station Number:	B11150		Water Year:	1975
Location:	LAT 38 30 01	LONG 121 02 39	SE Sec 36 T8N R8E MDB&M		Period of Record:			1907 to DATE	
Historic:	Maximum Gage Height:	14.59	Discharge:	42,000 cfs	Date:	12-23-55	Time:	Zero of Gage: 168.09 USCGS	
Water Year:	Maximum Gage Height:	8.53	Discharge:	11,000 cfs	Date:	3-25-75	Time:	1030	Zero of Gage: 168.09 USCGS
	Minimum Gage Height:				Date:		Time:		

Station located on highway bridge, 5.5 miles southwest of Latrobe. Flow partly regulated by Jenkinson Lake. Records furnished by the U. S. Geological Survey. Drainage area is 336 square miles.

Station Name:	<u>COSUMES RIVER AT MCCONNELL</u>				Station Number:	B01125		Water Year:	1975
Location:	LAT 38 21 29	LONG 121 20 34	SW Sec 20 T6N R6E MDB&M		Period of Record:			1941 to DATE	
Historic:	Maximum Gage Height:	46.26	Discharge:	54,000 cfs	Date:	12-23-55	Time:	Zero of Gage: -3.34 USCGS	
Water Year:	Maximum Gage Height:	42.79	Discharge:	7,600 cfs	Date:	3-26-75	Time:	0730	Zero of Gage: -3.34 USCGS
	Minimum Gage Height:				Date:		Time:		

Station located on U. S. Highway 99 bridge, 0.2 mile south of McConnell, 7.0 miles north of Galt. Maximum discharge of record listed is for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is 724 square miles.

TABLE B-11
DAILY MEAN GAGE HEIGHT
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	AC2445	SACRAMENTO RIVER AT MOULTON WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12					77.12								12
13					78.70								13
14					77.15								14
15													15
16					78.01								16
17													17
18						76.87							18
19						77.93							19
20													20
21						77.86							21
22						77.94							22
23						78.80							23
24						77.32							24
25						77.22							25
26						78.54							26
27						77.85							27
28													28
29													29
30													30
31													31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E — ESTIMATED
 NR — NO RECORD
 NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-14-75	1800	79.28	3-23-75	0500	79.25						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO	
39 20 18	122 01 18	SE12 17N 2W		83.8	2/7/42	JAN 40-DATE #	JAN 35-DATE #	1935		0.00 USED
Station located west of south end of weir, 4.6 mi. S of Princeton. Gage heights below weir crest (elevation 76.75) are not indicative of flow over weir. # - Flood season only.										

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1971	A-1045	SACRAMENTO RIVER CIPICITY WEIR N WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	1
2	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	2
3	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	3
4	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	4
5	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	5
6	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	6
7	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	7
8	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	8
9	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	9
10	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	10
11	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	11
12	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	12
13	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	13
14	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	14
15	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	15
16	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	16
17	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	17
18	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	18
19	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	19
20	57.68	57.54	57.51	57.59	57.38	57.15	57.97	57.11	57.11	57.75	57.75	57.75	20
21	58.36	58.44	58.56	57.69	58.39	57.39	58.01	58.50	59.11	58.47	58.71	57.71	21
22	58.57	58.72	58.87	57.63	58.73	57.35	58.45	58.00	59.33	58.44	58.68	57.71	22
23	58.63	58.75	58.83	57.61	58.48	57.32	58.45	58.70	59.15	58.38	58.50	57.7	23
24	58.24	58.47	58.38	57.60	58.77	57.07	58.74	58.40	59.40	58.30	58.47	57.68	24
25	57.71	58.40	58.51	57.57	58.30	56.37	58.13	58.30	59.07	58.34	58.47	57.68	25
26	57.71	58.45	58.17	57.55	57.39	58.77	58.30	58.13	59.03	58.45	58.47	57.71	26
27	57.73	58.57	57.83	57.54	58.79	57.44	58.47	58.10	59.11	58.36	58.47	57.73	27
28	57.96	58.46	58.94	57.53	58.57	57.58	58.85	58.15	58.93	58.35	58.40	57.87	28
29	58.27	58.42	58.82	57.50	57.50	57.17	58.45	58.14	58.82	58.33	58.54	57.93	29
30	58.50	59.42	58.03	58.03	58.09	58.09	58.53	58.12	58.79	58.43	58.47	57.90	30
31	58.54	58.23	58.23	57.48	58.72	58.72	58.12	58.12	58.12	58.29	58.58	57.90	31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED
NR - NO RECORD
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
5-24-77	1500	70.43	5-25-77	1545	70.67						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	DF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 20 13	122 01 50	SW12 17N 2W		85.5	2/7/42 12/24/64	MAR 54-DATUM B	OCT 22-MAY 40 # JUL 40-JUL 41 NOV 41-JUL 43 # OCT 43-DATUM			0.00	USED

Station located immediately W of weir, 4.8 mi. S of Princeton.

1 1/4 - Irrigation season only.
- Flood season only.

TABLE B-II (CONT.)
DAILY MEAN GAGE HEIGHT
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	AC243C	SACRAMENTO RIVER AT COLUSA WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8						62.90		63.92					8
9						63.81		64.41					9
10								64.17					10
11					62.33			63.61					11
12								62.96					12
13					62.88			62.33					13
14					65.98			61.04					14
15					65.42			61.89					15
16						63.09							16
17					62.04								17
18							62.45						18
19							64.04						19
20							65.41						20
21								65.01					21
22								65.42					22
23								66.07					23
24								65.04					24
25								64.71					25
26								65.72					26
27								65.41					27
28								63.73					28
29								62.71					29
30								62.05					30
31													31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-14-75	2200	66.40	3-9-75	2400	64.52	3-23-75	0830	66.25			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D & AM	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 14 12	121 59 38	SE17 16N 1W		70.6	3/1/40	JAN 40-DATE #	JAN 35-DATE #			0.00	USED
Station located at north end of weir, 2.0 mi. N of Colusa. Gage heights below weir crest (elevation 61.80 ft.) are not indicative of flow over weir. # - Flood season only.											

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A00380	SACRAMENTO RIVER AT MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			NR	39.92	39.14	45.03	51.63	45.12	44.01	40.09	39.73	40.49	1
2			NR	39.55	43.93	44.81	49.81	45.46	44.00	40.61	39.48	40.51	2
3			NR	39.28	50.28	44.94	48.07	45.47	43.98	40.53	39.47	40.67	3
4			NR	39.09	46.95	45.03	46.91	45.85	43.89	40.45	39.44	40.42	4
5			NR	38.95	45.28	44.72	46.74	46.48	43.79	40.37	39.44	40.27	5
6			NR	38.98	44.70	44.41	47.56	46.18	43.76	40.30	39.42	39.43	6
7			NR	40.43	45.09	44.72	48.00	45.90	43.91	40.26	39.59	39.25	7
8			NR	42.59	50.56	52.41	47.25	45.91	43.98	40.25	39.58	38.94	8
9			NR	45.55	55.78	57.71	47.43	45.82	43.88	40.22	39.56	38.75	9
10	N	N	NR	44.49	57.22	57.71	47.48	45.97	43.49	40.14	39.55	38.75	10
11				42.07	55.50	57.20	46.62	46.21	43.48	40.11	39.58	38.92	11
12	O	O	NR	40.93	52.15	56.67	45.98	46.34	43.27	40.06	39.51	39.02	12
13			NR	40.31	54.75	55.97	45.77	46.42	43.09	40.02	39.58	39.15	13
14	R	R	NR	39.94	58.91	55.50	46.10	46.49	42.23	39.99	39.56	39.18	14
15			NR	39.67	58.89	55.20	46.54	46.76	42.79	39.94	39.54	39.18	15
16	E	E											
17			NR	39.49	56.83	54.53	46.81	47.10	42.49	39.95	39.52	39.21	16
18	C	C	NR	39.33	55.58	54.57	45.30	47.10	42.44	40.08	39.54	39.20	17
19			NR	39.15	54.56	54.59	44.66	46.94	42.57	40.14	39.75	39.12	18
20	O	O	NR	39.09	53.32	57.38	44.50	46.86	42.45	40.16	39.42	39.08	19
21	R	R	40.46	39.06	52.53	58.71	44.29	44.95	42.31	40.13	40.34	39.07	20
22			40.23	39.10	54.55	59.07	44.11	46.74	42.10	40.10	40.53	39.06	21
23	D	D	40.11	39.08	53.40	58.82	43.51	45.72	41.99	40.08	40.49	39.11	22
24			40.01	39.05	51.79	59.47	43.32	45.09	41.45	40.04	40.43	39.13	23
25			39.93	39.03	50.63	58.70	43.39	44.70	41.41	39.98	40.38	39.13	24
26			39.88	39.02	49.73	58.20	44.29	44.39	41.24	39.93	40.32	39.11	25
27			39.78	39.02	48.88	59.01	46.75	44.33	41.12	39.91	40.27	39.08	26
28			39.36	38.95	47.57	58.97	46.41	44.26	41.02	39.90	40.23	39.04	27
29			40.61	38.83	46.09	57.62	45.41	44.18	40.95	39.88	40.20	39.04	28
30			46.08	38.76		56.61	44.70	44.13	40.87	39.84	40.19	39.17	29
31			42.71	38.71		55.05	44.49	44.10	40.78	39.81	40.24	39.24	30
			40.67	38.71		53.82		44.05		39.75	40.42		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-15-75	0145	59.53	3-23-75	1145	59.42						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B AM	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 08 42	121 55 00	SEL3 15N 1W		64.4 60.59	3/1/40 1/7/65	MAR 54-OCT 54 JAN 55-DEC 55 MAR 56-OCT 59	1915-OCT 69 DEC 74-DATUM			3.00	USED

Station located 190 ft. below Meridian Bridge, State Highway 20, immediately NW of Meridian. Recorder reinstalled December 1974 for stage only.

TABLE B-II (CONT.)
DAILY MEAN GAGE HEIGHT
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02301	SACRAMENTO RIVER AT TISDALE WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1							46.03						1
2													2
3													3
4													4
5													5
6													6
7													7
8					46.16	47.05							8
9					47.35	47.02							9
10					47.01	47.02							10
11					47.54	47.96							11
12					46.38	47.77							12
13					46.04	47.50							13
14					48.57	47.45							14
15					48.01	47.34							15
16					47.07	47.11							16
17					47.58	47.06							17
18					47.27	47.04							18
19					46.86	47.77							19
20					46.41	48.22							20
21													21
22					47.30	48.43							22
23					46.77	48.41							23
24					46.06	48.72							24
25					46.54	48.50							25
26						48.10							26
27						48.30							27
28						48.45							28
29						48.10							29
30						47.70							30
31						47.52							31
						46.04							31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-15-75	1015	48.84	3-23-75	1615	48.75						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 01 36	121 49 16	N835 14N 1E		53.3	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED
Station located west of north end of weir, 5.0 mi. SE of Grimes. Gage heights below weir crest (elevation 45.45 ft.) are not indicative of flow over weir. # - Flood season only.											

TABLE B-II (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02971	BUTTE SLOUGH AT MASON CREEK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		43.16	43.97	43.12	41.89	40.44	41.06	41.17	41.00	42.1	42.75	43.1	1
2		43.48	44.00	42.67	44.69	44.42	44.00	43.55	43.00	42.45	42.95	43.00	2
3		43.48	44.31	42.08	46.97	46.45	48.31	45.70	45.07	44.55	44.00	43.50	3
4		42.48	45.50	41.86	47.25	46.49	47.93	42.45	44.46	44.50	44.1	43.60	4
5		41.03	47.10	41.75	47.49	46.28	47.00	42.43	44.46	44.50	44.1	43.60	5
6		41.70	47.11	41.70	47.08	46.17	47.11	42.12	44.49	44.11	43.4	42.70	6
7		41.70	47.00	42.36	47.00	46.24	47.23	41.83	44.01	44.44	43.4	42.11	7
8		41.70	46.74	44.21	48.41	46.97	47.11	41.83	44.01	44.61	43.4	42.11	8
9		41.70	46.40	44.11	48.46	46.78	47.12	42.23	44.26	44.86	43.4	42.11	9
10	N	42.25	47.00	45.52	51.50	53.26	47.03	42.63	44.66	44.90	42.75	43.10	10
11		42.00	44.74	44.50	52.00	53.55	44.90	43.00	44.01	42.88	42.70	43.10	11
12		43.25	44.42	43.57	51.00	53.16	44.83	43.00	45.00	42.00	42.75	43.10	12
13		43.30	44.15	43.00	51.74	52.21	44.09	44.83	45.00	43.55	42.75	43.10	13
14	R	43.40	44.03	42.67	46.50	51.10	44.05	44.05	44.00	44.00	42.75	43.10	14
15		43.41	43.09	42.37	50.54	50.09	44.41	43.83	43.01	42.00	41.87	42.10	15
16	E	43.41	43.00	42.16	55.74	46.32	46.37	43.01	43.37	42.60	42.07	42.10	16
17	C	43.44	43.80	41.92	53.95	46.69	46.28	44.16	45.44	42.15	42.00	42.74	17
18		43.40	43.77	41.76	52.35	48.35	46.02	44.02	45.50	43.29	42.70	42.74	18
19		43.45	43.10	41.75	51.00	46.88	45.88	45.00	45.30	43.28	42.00	42.74	19
20		43.43	42.47	41.83	50.34	53.46	45.69	45.62	43.39	43.24	43.4	44.10	20
21		43.60	42.11	42.18	46.46	55.00	45.44	44.30	45.36	42.08	43.26	44.10	21
22	D	43.73	42.00	42.22	48.82	55.80	45.45	44.96	45.10	42.88	43.11	42.00	22
23		43.82	41.91	42.11	48.38	56.75	44.79	46.34	46.87	42.77	43.15	42.10	23
24		43.86	41.81	42.33	48.04	56.82	44.01	46.00	42.70	42.77	43.00	41.90	24
25		43.86	41.84	42.42	47.77	56.19	44.72	45.83	42.71	42.75	42.60	41.81	25
26		43.80	41.81	42.27	47.41	56.03	45.21	45.80	42.73	42.78	43.00	41.80	26
27		43.90	41.70	42.01	47.31	56.63	45.01	45.70	42.74	42.75	43.00	41.70	27
28		44.03	42.27	41.78	47.10	56.87	45.47	45.73	42.78	42.79	43.10	41.70	28
29		43.95	44.43	41.75	54.31	45.64	45.72	42.73	42.76	42.75	43.13	41.75	29
30		43.97	45.10	41.75	52.73	44.42	45.71	42.65	42.75	42.75	43.28	41.75	30
31	42.50		43.94	41.75	51.37		45.60		42.84	43.53			31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED

NR - NO RECORD

NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-15-75	1500	56.75	3-24-76	0300	57.15						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 11 14	121 54 21	SE31 10N 1E				JAN 39-SEP 60	NEW 34-MAY 37 #1 OCT 3-SEP 60 JAN 73	1934		0.00	UCR
Station located at West Butte-Meridian Highway bridge, 3.0 mi. N of Meridian. Tributary to Sutter Bypass. During flood periods, Sacramento River water enters Butte Basin above Butte City by bank spill and spill over Moulton and Colusa Weirs. Stage only, for flow figures - see Butte Slough near Meridian.											
# - Flood season only.											

TABLE B-II (CONT.)
DAILY MEAN GAGE HEIGHT
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	AO2927	SUTTER BYPASS AT RECLAMATION DISTRICT 1500 PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17.41	16.91	21.42	18.43	16.08	21.54	31.23	20.28	19.26	15.96	17.11	18.91	1
2	17.41	17.24	21.42	17.61	20.12	20.46	29.31	20.22	19.20	15.26	17.19	18.83	2
3	17.21	17.27	21.46	17.08	24.95	19.91	27.82	20.51	19.41	15.23	17.21	18.03	3
4	17.24	16.82	21.94	16.85	26.20	19.81	26.60	20.88	19.53	15.26	17.09	18.27	4
5	17.38	16.19	23.76	16.72	25.75	19.80	25.37	21.19	19.67	15.31	17.26	19.24	5
6	17.41	15.60	24.99	16.71	24.40	19.68	24.40	21.59	20.26	15.40	17.17	19.01	6
7	17.38	15.29	24.40	17.10	22.98	19.75	23.99	21.32	20.92	15.46	17.14	19.14	7
8	17.34	15.30	23.44	18.72	22.56	21.40	23.40	20.97	21.53	15.51	17.12	18.58	8
9	17.39	15.38	22.71	20.09	24.80	25.40	22.87	20.85	21.69	15.47	17.12	18.38	9
10	17.39	15.63	22.20	20.08	27.55	27.79	22.94	21.01	21.67	15.28	17.20	18.61	10
11	17.48	15.99	21.31	20.23	29.39	30.27	22.24	21.44	21.39	15.25	17.00	18.86	11
12	17.48	16.55	20.26	19.28	30.06	31.59	21.65	21.64	20.90	15.65	16.90	18.90	12
13	17.53	16.85	19.72	18.26	31.11	31.89	21.11	22.00	20.38	16.39	16.83	18.91	13
14	17.39	17.06	19.43	17.53	34.00	31.66	20.77	22.26	19.75	16.70	16.87	18.81	14
15	17.44	18.16	18.90	16.76	34.96	30.98	26.76	22.42	19.38	16.81	16.90	18.66	15
16	17.37	18.07	18.64	16.74	34.69	30.25	20.92	22.54	18.95	16.91	16.97	18.48	16
17	17.35	18.80	18.95	16.25	34.02	29.54	20.62	22.64	18.88	17.21	17.14	18.27	17
18	17.30	18.83	18.40	16.11	33.08	28.93	19.98	22.50	18.44	17.54	17.35	18.28	18
19	17.17	18.96	18.26	15.90	31.76	28.64	19.64	22.38	17.85	17.38	17.76	18.14	19
20	17.20	19.07	17.87	15.93	30.45	29.29	19.44	22.63	17.46	17.30	18.12	18.22	20
21	17.30	19.24	17.52	16.36	29.45	31.08	19.17	23.19	17.15	17.34	18.38	17.67	21
22	17.66	19.04	17.36	16.30	28.92	33.92	18.85	22.76	16.95	17.42	18.50	17.17	22
23	17.95	20.48	17.15	16.34	28.25	34.75	18.39	21.81	16.66	17.69	18.39	16.94	23
24	17.89	20.60	16.99	16.18	27.36	34.93	18.11	20.64	16.30	17.41	18.31	16.83	24
25	17.10	20.98	16.94	16.04	26.35	35.03	18.76	19.68	16.21	17.41	18.08	16.73	25
26	15.93	21.02	16.97	15.99	25.27	35.07	19.69	19.34	16.33	17.49	18.19	16.54	26
27	15.61	21.19	16.92	15.83	24.09	34.91	20.54	19.11	16.33	17.59	18.13	16.45	27
28	15.73	21.35	17.23	15.66	22.86	34.75	20.75	19.29	15.90	17.18	18.16	16.39	28
29	16.09	21.39	19.34	15.95		34.30	20.78	19.46	15.74	17.22	18.30	16.42	29
30	16.30	21.39	20.35	15.28		33.64	20.55	19.34	15.57	17.11	18.39	16.47	30
31	16.55		19.56	15.27		32.76		19.39		17.13	18.71		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-25-75	1430	35.13									

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

LOCATION		MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC. T & R M.D.B. & M.	OF RECORD		DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT			FROM	TO	
						1915 - DATE		0.00	USED
Station located on west levee, 3.7 mi. SE of Knights Landing									

TABLE B-II (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02170	SACRAMENTO RIVER AT FREMONT WEIR, WEST END

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18.60	18.83	22.51	19.75	17.54	22.74	32.40	21.66	20.67	16.76	18.02	19.93	1
2	18.64	19.35	22.51	19.01	21.07	22.05	29.90	21.79	20.53	16.74	18.09	19.94	2
3	18.45	19.36	22.60	18.52	26.77	21.78	27.80	22.05	20.67	16.69	18.11	20.08	3
4	18.49	18.79	23.16	18.29	27.56	21.85	26.31	22.44	20.70	16.74	18.01	20.23	4
5	18.59	18.04	25.87	18.17	26.13	21.81	25.06	22.88	20.80	16.68	18.12	20.15	5
6	18.64	17.41	26.72	18.12	24.57	21.67	24.95	23.24	21.36	16.76	18.05	19.82	6
7	18.60	16.95	25.33	18.43	23.48	21.60	25.18	22.91	21.97	16.81	18.03	19.64	7
8	18.56	16.95	24.31	20.27	24.22	23.75	25.04	22.59	22.48	16.86	18.04	19.26	8
9	18.58	17.03	23.70	21.78	27.58	28.37	24.28	22.50	22.59	16.79	18.03	19.07	9
10	18.61	17.43	23.32	23.02	29.82	29.45	24.37	22.69	22.55	16.62	18.10	19.25	10
11	18.69	18.03	22.58	21.87	30.75	31.21	24.02	23.11	22.28	16.56	17.93	18.60	11
12	18.69	18.63	21.71	20.74	30.76	32.72	23.28	23.34	21.85	16.89	17.81	19.63	12
13	18.73	18.85	21.25	19.72	32.16	33.06	22.77	23.63	21.29	17.41	17.76	19.71	13
14	18.63	19.01	20.96	19.04	34.69	32.91	22.60	23.80	20.84	17.70	17.86	19.75	14
15	18.68	19.72	20.58	18.55	35.06	32.54	22.48	23.97	20.47	17.81	17.86	19.56	15
16	18.64	20.15	20.36	18.17	35.13	32.52	22.95	24.18	20.13	17.96	17.89	19.46	16
17	18.58	20.21	20.32	17.89	34.63	32.52	22.69	24.34	20.05	18.26	18.02	19.37	17
18	18.50	20.25	20.18	17.75	33.99	32.52	21.81	24.26	19.61	18.55	18.29	19.30	18
19	18.40	20.38	19.96	17.56	32.84	31.08	21.43	24.07	19.10	18.44	18.69	19.11	19
20	18.44	20.48	19.47	17.62	31.12	30.72	21.16	24.31	18.78	18.40	19.08	19.04	20
21	18.61	20.62	19.06	17.89	30.51	32.20	20.92	24.62	18.53	18.36	19.46	18.76	21
22	19.03	21.17	18.93	17.91	29.78	34.51	20.47	23.91	18.24	18.36	19.57	18.38	22
23	19.34	21.66	18.80	17.90	28.85	35.20	19.96	22.95	17.95	18.52	19.40	18.20	23
24	19.37	21.84	18.63	17.76	27.74	35.32	19.89	21.98	17.58	18.48	19.30	18.13	24
25	18.72	22.02	18.59	17.65	26.76	35.42	20.26	21.26	17.34	18.33	19.15	18.00	25
26	17.63	22.14	18.56	17.60	25.96	35.44	21.63	20.94	17.47	18.38	19.14	17.87	26
27	17.27	22.29	18.43	17.45	25.05	35.33	22.63	20.75	17.51	18.44	19.10	17.79	27
28	17.46	22.45	18.67	17.23	23.94	35.22	22.40	20.82	17.23	18.13	19.13	17.75	28
29	17.75	22.48	21.30	17.18		34.85	22.17	20.86	17.04	18.11	19.26	17.79	29
30	18.04	22.48	22.38	16.96		34.40	21.81	20.74	16.87	18.04	19.43	17.84	30
31	18.38		21.02	16.89		33.87		20.71		18.06	19.74		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12/6/74	0230	27.10	2/16/75	0530	35.22	3/13/75	1430	33.12	3/25/75	1600	35.60

E - ESTIMATED

NR - NO RECORD

NF - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R MOB & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 45 34	121 39 59	NW 32 11N 3E		39.7	12-23-1955			AUG 1934-DATE	1934	0.00	USRD
Station located 0.1 mile west of weir, 4.0 miles southeast of Knights Landing.											

TABLE B-II (CONT.)
DAILY MEAN GAGE HEIGHT
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02160	SACRAMENTO RIVER AT FREMONT WEIR, EAST END

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13					33.50								13
14					34.16								14
15					34.47								15
16					34.55								16
17					34.09								17
18					33.54								18
19													19
20													20
21							33.50						21
22							33.98						22
23							34.59						23
24							34.71						24
25							34.83						25
26							34.85						26
27							34.74						27
28							34.63						28
29							34.32						29
30							33.81						30
31							33.50						31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-16-75	0600	34.61	3-25-75	1600	34.98						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 45 55	121 38 05	SW 27 11N 3E		39.3	3-10-1940		APR 1935-DATE	1935		0.00	USED
Station located approximately 200 feet north of weir, 5.2 miles southeast of Knights Landing. Gage heights recorded only during periods when there is spill over weir.											

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A05191	FEATHER RIVER AT GROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.51	0.89	0.93	0.93	0.62	0.51	0.51	0.52	0.52	0.53	0.58	NR	1
2	0.51	0.87	0.93	0.93	0.58	0.51	0.51	0.53	0.52	0.53	0.57	NR	2
3	0.51	0.91	0.93	0.93	0.51	0.51	0.52	0.53	0.51	0.53	0.57	NR	3
4	0.52	0.92	0.93	0.90	0.52	0.51	0.52	0.53	0.51	0.53	0.57	NR	4
5	0.51	0.92	0.93	0.88	0.52	0.51	0.52	0.53	0.52	0.53	0.57	NR	5
6	0.51	0.92	0.91	0.93	0.51	0.51	0.52	0.53	0.51	0.53	0.57	NR	6
7	0.51	0.92	0.91	0.93	0.51	0.52	0.52	0.53	0.52	0.53	0.57	NR	7
8	0.51	0.92	0.91	0.94	0.52	0.52	0.52	0.53	0.51	0.53	0.57	NR	8
9	0.51	0.91	0.91	0.94	0.52	0.52	0.52	0.53	0.51	0.53	0.57	NR	9
10	0.51	0.92	0.91	0.92	0.51	0.52	0.52	0.53	0.54	0.53	0.57	NR	10
11	0.51	0.92	0.91	0.90	0.51	0.52	0.52	0.53	0.53	0.53	0.57	NR	11
12	0.50	0.92	0.91	0.88	0.55	0.51	0.51	0.53	0.52	0.53	0.57	NR	12
13	0.51	0.92	0.90	0.93	0.53	0.52	0.51	0.52	0.52	0.53	0.57	NR	13
14	0.51	0.92	0.89	0.96	0.51	0.52	0.51	0.52	0.51	0.53	0.57	NR	14
15	0.52	0.93	0.88	0.95	0.48	0.51	0.52	0.52	0.52	0.54	0.58	NR	15
16	0.77	0.93	0.89	0.95	0.48	0.51	0.52	0.52	0.52	0.57	0.58	NR	16
17	0.88	0.93	0.90	0.95	0.50	0.52	0.52	0.52	0.52	0.57	0.57	NR	17
18	0.88	0.94	0.91	0.94	0.51	0.52	0.52	0.52	0.52	0.58	0.58	0.55	18
19	0.87	0.93	0.90	0.93	0.51	0.52	0.52	0.52	0.51	0.57	0.58	0.56	19
20	0.87	0.93	0.89	0.93	0.51	0.52	0.51	0.51	0.51	0.57	0.58	0.56	20
21	0.87	0.93	0.89	0.94	0.51	0.53	0.51	0.51	0.51	0.57	0.58	0.55	21
22	0.88	0.93	0.91	0.95	0.50	0.53	0.52	0.51	0.51	0.57	0.58	0.55	22
23	0.88	0.93	0.94	0.94	0.50	0.52	0.52	0.52	0.51	0.57	0.57	0.54	23
24	0.88	0.93	0.94	0.93	0.50	0.52	0.52	0.52	0.51	0.56	0.57	0.54	24
25	0.87	0.93	0.92	0.91	0.50	0.52	0.52	0.52	0.52	0.54	0.58	0.55	25
26	0.89	0.93	0.92	0.91	0.51	0.51	0.52	0.51	0.53	0.54	0.58	0.55	26
27	0.92	0.93	0.94	0.94	0.51	0.51	0.52	0.52	0.53	0.54	0.58	0.55	27
28	0.91	0.93	0.94	0.95	0.51	0.51	0.51	0.51	0.53	0.55	0.58	0.55	28
29	0.86	0.93	0.93	0.94	0.50	0.52	0.51	0.51	0.53	0.55	0.57	0.55	29
30	0.87	0.93	0.93	0.94	0.50	0.52	0.51	0.51	0.53	0.57	0.57	0.55	30
31	0.89		0.94	0.94		0.50		0.52		0.57	0.57		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-13-75	1400	1.13									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 31 18	121 32 48	SE 8 19N 4E	230,000		3-19-1907	OCT 1901-DATE	OCT 1901-DATE	1812	1934	139.53	USCGS
								1934	1962	182.02	USCGS
								1962	1964	0.00	USCGS
								1964		148.97	USCGS

Station located 300 feet above Fish Barrier Dam, 0.6 mile northeast of Groville. Flow is regulated by reservoirs and powerplants. Maximum discharge listed at site then in use (approximately 167.5 feet, USCGS Datum).

TABLE B-II (CONT.)
DAILY MEAN GAGE HEIGHT
 (IN FEET)

WATER YEAR	STATION NO	STATION NAME
1975	A05165	FEATHER RIVER NEAR GRIDLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	78.00	76.23	78.97	76.21	76.03	75.36	75.21	78.19	76.32	75.72	77.25	76.65	1
2	77.98	76.21	78.94	76.30	75.87	75.35	75.11	78.50	76.33	75.71	77.04	76.66	2
3	78.00	76.23	78.95	76.29	75.66	75.33	75.00	78.95	76.32	75.72	77.14	76.64	3
4	77.98	76.24	78.96	76.25	75.55	75.33	74.90	79.00	76.57	75.71	77.10	76.65	4
5	77.91	76.26	78.93	76.26	75.42	75.34	74.87	78.99	77.51	75.71	77.09	76.65	5
6	77.93	76.26	78.94	76.27	75.38	75.35	74.85	78.98	78.25	75.72	77.09	76.64	6
7	77.93	76.28	78.91	76.30	75.38	74.42	74.85	78.99	78.62	75.72	77.01	76.61	7
8	77.96	76.25	78.91	76.31	75.40	75.43	74.85	78.99	78.65	75.72	77.00	76.64	8
9	77.94	76.24	78.78	76.29	75.44	75.42	74.84	79.04	78.64	75.72	77.00	76.66	9
10	77.94	76.23	78.09	76.29	75.43	75.40	74.84	79.07	78.65	75.72	76.67	76.66	10
11	77.94	76.24	77.35	76.25	75.40	75.36	74.83	79.05	78.32	76.34	76.63	76.66	11
12	77.90	76.25	77.03	76.24	75.47	75.36	74.82	79.11	77.89	76.91	76.64	76.65	12
13	77.88	76.49	76.91	76.25	75.66	75.38	74.83	79.17	77.48	77.36	76.64	76.65	13
14	77.92	77.72	76.35	76.32	75.54	75.36	74.84	79.16	76.97	77.42	76.62	76.63	14
15	77.92	77.98	76.26	76.30	75.46	75.38	74.83	79.13	76.68	77.39	76.64	76.62	15
16	77.91	77.98	76.25	76.25	75.40	75.38	74.81	79.11	76.63	77.40	76.64	76.60	16
17	77.89	77.98	76.29	76.12	75.38	75.39	74.81	78.79	76.08	77.35	76.64	76.61	17
18	77.88	78.02	76.29	76.07	75.39	75.40	74.82	78.39	75.82	77.32	76.65	76.59	18
19	77.86	78.03	76.26	76.04	75.40	75.38	74.82	78.34	75.79	77.31	76.67	76.61	19
20	77.82	78.03	76.26	76.04	75.36	75.37	74.80	78.03	75.78	77.33	76.67	76.29	20
21	77.84	78.53	76.26	76.06	75.34	75.43	75.09	77.49	75.77	77.33	76.66	75.87	21
22	77.87	78.93	75.59	76.07	75.35	75.44	75.42	77.35	75.73	77.35	76.66	75.82	22
23	77.73	78.93	75.44	76.07	75.34	75.41	75.68	76.94	75.74	77.34	76.64	75.82	23
24	77.02	78.94	75.43	76.04	75.34	75.42	76.09	76.51	75.73	77.34	76.63	75.82	24
25	76.31	78.96	75.80	76.03	75.33	75.39	76.64	76.32	75.73	77.35	76.64	75.82	25
26	76.24	78.95	75.76	76.02	75.33	75.36	77.16	76.32	75.73	77.33	76.64	75.82	26
27	76.24	78.95	76.32	76.04	75.32	75.35	77.59	76.32	75.73	77.31	76.67	75.81	27
28	76.27	78.97	76.31	76.08	75.33	75.33	78.05	76.31	75.73	77.30	76.64	75.82	28
29	76.22	78.99	75.56	76.06	75.32	75.32	78.15	76.32	75.73	77.32	76.63	75.83	29
30	76.23	78.98	76.28	76.05	75.32	75.32	78.18	76.33	75.71	77.31	76.64	75.84	30
31	76.24		76.17	76.13		75.28		76.32		77.29	76.64		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E	— ESTIMATED																								
NR	— NO RECORD																								
NF	— NO FLOW																								
	<table><tr><th>DATE</th><th>TIME</th><th>STAGE</th><th>DATE</th><th>TIME</th><th>STAGE</th><th>DATE</th><th>TIME</th><th>STAGE</th><th>DATE</th><th>TIME</th><th>STAGE</th></tr><tr><td>11-28-74</td><td>2300</td><td>78.99</td><td>4-30-75</td><td>1745</td><td>78.33</td><td>5-14-75</td><td>0915</td><td>79.22</td><td>6-7-75</td><td>2030</td><td>78.73</td></tr></table>	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	11-28-74	2300	78.99	4-30-75	1745	78.33	5-14-75	0915	79.22	6-7-75	2030	78.73
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE														
11-28-74	2300	78.99	4-30-75	1745	78.33	5-14-75	0915	79.22	6-7-75	2030	78.73														

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM		
			CFS	GAGE NT	DATE							
39 22 01	121 38 43	SW 33 18N 3E		102.25	12-23-1955	JAN 1944-DATE	MAR 29-MAY 37 # OCT 37-APR 39 NOV 39-JUL 40 OCT 40-JUL 43 OCT 43-DATE	1929 1929	0.00 -2.91	USED USCGS		
Station located near highway bridge, 2.7 miles east of Gridley. Subsequent to 1962, tabulations include all left-bank overflow. Records of discharge published prior to 1963 listed only that water in the main channel. Drainage area is 3,676 square miles.												
# - Flood season only.												

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A05135	FEATHER RIVER AT YUBA CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	43.15	41.08	45.41	41.92	41.47	40.18	40.78	43.70	41.90	40.44	42.80	42.06	1
2	43.15	41.03	45.41	41.82	44.84	40.09	41.11	41.78	42.11	40.46	42.54	42.09	2
3	43.15	40.98	45.51	41.85	44.02	40.08	41.18	44.18	42.10	40.51	42.37	42.08	3
4	43.15	40.94	45.57	41.80	42.79	40.25	41.15	44.44	42.18	40.44	42.53	42.08	4
5	43.15	40.90	45.50	41.79	41.78	40.33	41.33	44.53	43.04	40.43	42.52	42.08	5
6	43.13	40.87	45.45	41.89	41.05	40.43	41.40	44.46	44.19	40.44	42.54	42.07	6
7	43.12	40.87	45.38	42.38	40.65	40.63	41.28	44.41	44.67	40.42	42.47	42.08	7
8	43.12	40.90	45.17	42.55	40.83	41.82	41.27	44.39	44.98	40.38	42.41	42.07	8
9	43.13	40.89	45.30	42.33	42.17	41.56	41.11	44.43	45.25	40.39	42.42	42.14	9
10	43.14	40.87	44.63	42.20	42.31	41.01	41.17	44.54	45.29	40.38	42.23	42.14	10
11	43.14	40.85	43.59	42.12	41.05	40.85	41.08	44.50	45.08	40.78	41.99	42.15	11
12	43.14	40.83	42.83	41.94	40.92	40.67	41.05	44.61	44.48	41.57	41.97	42.14	12
13	43.12	40.83	42.76	41.81	47.20	40.63	40.90	44.87	44.08	42.28	41.97	42.14	13
14	43.11	42.50	42.22	41.65	45.37	40.83	40.93	44.90	43.69	42.54	41.98	42.13	14
15	43.10	43.04	41.92	41.28	42.43	40.76	41.03	44.84	43.32	42.55	41.97	42.11	15
16	43.10	43.09	41.88	41.25	41.03	41.02	41.01	44.87	43.20	42.56	41.97	42.08	16
17	43.09	43.08	41.89	41.05	40.59	40.96	41.00	44.63	42.73	42.50	41.98	42.06	17
18	43.08	43.19	41.90	41.04	40.46	41.09	41.03	44.18	42.09	42.45	42.02	42.03	18
19	43.06	43.30	41.86	40.95	40.37	41.26	40.97	44.00	41.77	42.45	42.04	42.04	19
20	43.04	43.38	41.87	40.95	40.53	41.87	40.94	44.10	41.56	42.48	42.05	41.89	20
21	43.02	43.76	41.88	41.05	40.71	41.48	40.99	43.23	41.07	42.52	42.05	41.45	21
22	43.01	44.71	41.83	41.07	40.61	43.00	41.19	43.07	40.87	42.79	42.05	41.19	22
23	43.02	44.86	41.79	41.05	40.58	42.03	41.41	42.58	40.79	42.83	42.05	41.16	23
24	42.92	45.00	41.84	40.97	40.54	41.72	41.58	41.55	40.59	42.84	42.06	41.14	24
25	42.47	45.13	41.82	40.94	40.50	44.45	42.13	41.12	40.82	42.86	42.05	41.13	25
26	41.88	45.26	41.80	40.88	40.47	44.06	41.98	41.10	41.03	42.84	42.06	41.12	26
27	41.52	45.41	41.90	40.84	40.44	42.29	42.50	41.22	40.77	42.65	42.06	41.11	27
28	41.39	45.42	42.21	40.82	40.41	41.89	43.21	41.61	40.39	42.74	42.04	41.12	28
29	41.25	45.44	42.17	40.69		41.72	43.67	41.63	40.38	42.79	42.02	41.12	29
30	41.16	45.43	42.03	40.63		41.63	43.67	41.78	40.48	42.78	42.02	41.10	30
31	41.12		41.96	40.75		41.49		42.10		42.75	42.06		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED
 NR - NO RECORD
 NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12/4/74	0945	45.61	3/25/75	1930	45.17	5/14/75	0715	44.94	6/9/75	1930	45.36
2/13/75	1600	48.62									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 08 20	121 36 17	NE 23 15N 3E		82.42	12-24-1955	JUL 44-OCT 45 8 JAN 46-SEPT 63	NOV 1943-DATE	1943		0.00 -3.0	USED USCGS
Station located at Sacramento Northern Railroad bridge. Backwater from Yuba River at times affects stage-discharge relationship. Drainage area is 3,977 square miles.											
8 - Irrigation season only.											

TABLE B-II (CONT.)
DAILY MEAN GAGE HEIGHT
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A05120	FEATHER RIVER BELOW SHANGHAI BEND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	37.13	34.75	40.28	36.40	35.63	34.16	35.42	38.10	36.23	34.32	37.06	36.29	1
2	37.12	34.67	40.29	36.28	39.46	34.16	35.54	38.02	36.51	34.34	36.79	36.33	2
3	37.12	34.60	40.39	36.31	39.07	34.26	35.75	38.38	36.51	34.45	36.48	36.32	3
4	37.13	34.61	40.48	36.28	37.47	34.60	35.70	38.63	36.57	34.33	36.70	36.32	4
5	37.08	34.62	40.41	36.25	36.27	34.62	35.90	38.79	37.44	34.32	36.73	36.33	5
6	37.03	34.63	40.36	36.40	35.32	34.67	36.01	38.71	38.74	34.33	36.75	36.32	6
7	37.06	34.64	40.29	36.99	34.75	34.88	38.59	39.33	36.32	36.70	36.32	36.32	7
8	37.14	34.78	39.97	37.23	34.89	36.27	35.84	38.55	39.73	34.27	36.62	36.32	8
9	37.14	34.72	40.17	36.99	36.62	36.13	35.64	38.59	40.11	34.28	36.62	36.39	9
10	37.20	34.66	39.56	36.80	37.06	35.79	35.71	38.73	40.19	34.26	36.46	36.38	10
11	37.16	34.63	38.39	36.71	35.45	35.24	35.61	38.67	40.01	34.60	36.18	36.39	11
12	37.16	34.65	37.47	36.49	34.98	35.09	35.57	38.81	39.35	35.42	36.16	36.40	12
13	37.08	34.65	37.37	36.30	42.24	35.07	35.43	39.21	38.90	36.22	36.17	36.39	13
14	37.10	35.83	36.85	36.07	41.21	35.31	35.30	39.25	38.50	36.58	36.18	36.38	14
15	37.13	36.98	36.46	35.50	37.81	35.20	35.47	39.18	38.09	36.60	36.17	36.36	15
16	37.12	37.07	36.41	35.43	36.17	35.47	35.46	39.22	37.92	36.60	36.17	36.34	16
17	37.07	37.09	36.41	35.23	35.28	35.42	35.43	39.01	37.46	36.55	36.19	36.32	17
18	37.05	37.26	36.42	35.24	34.76	35.57	35.44	38.53	36.64	36.49	36.22	36.29	18
19	37.03	37.46	36.36	35.14	34.53	35.75	35.39	38.26	36.21	36.48	36.25	36.30	19
20	36.99	37.60	36.37	35.12	34.81	36.51	35.35	38.55	35.94	36.52	36.26	36.16	20
21	36.97	38.01	36.38	35.23	35.06	36.09	35.38	37.67	35.27	36.56	36.26	35.66	21
22	37.06	39.11	36.33	35.26	34.93	38.15	35.57	37.43	34.98	37.02	36.27	35.37	22
23	37.06	39.38	36.25	35.24	34.82	37.51	35.83	36.91	34.83	37.09	36.27	35.34	23
24	36.38	39.59	36.29	35.17	34.77	37.13	36.01	35.51	34.52	37.10	36.27	35.34	24
25	35.27	39.82	36.27	35.13	34.73	39.82	36.64	34.86	34.84	37.15	36.27	35.32	25
26	34.81	39.99	36.24	35.06	34.70	40.02	36.27	34.80	35.21	37.13	36.27	35.31	26
27	34.75	40.24	36.35	35.01	34.70	37.91	36.67	34.98	34.87	36.84	36.26	35.29	27
28	34.86	40.28	36.74	34.95	34.60	37.27	37.41	35.74	34.25	36.93	36.24	35.31	28
29	34.82	40.30	36.71	34.76		36.95	38.09	35.79	34.19	36.96	36.23	35.32	29
30	34.77	40.30	36.55	34.61		36.67	38.08	35.98	34.35	37.00	36.22	35.30	30
31	34.82		36.45	34.76		36.33		36.51		37.03	36.27		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E — ESTIMATED
 NR — NO RECORD
 NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12/4/74	1315	40.54									
2/13/75	1800	44.03	3/26/75	0015	40.84	5/14/75	0730	39.29	6/10/75	2230	40.29

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R MOB & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM TO	ZERO ON GAGE	REF	OATUM
			CFS	GAGE HT	DATE						
39 04 44	121 36 08	NE 11 14N 3E		76.8	12-24-1955	JUN 44-OCT 45 E JAN 46-DATE	NOV 26-MAY 37 # OCT 37-MAY 39 NOV 39-JUL 41 NOV 41-JUL 43 # OCT 43-DATE	1926 1926	0.00 -3.01	USED USCGS	

Station located approximately 4 miles south of Yuba City. Flow partly regulated by reservoirs and powerplants. Drainage area is 5,337 square miles.

— Irrigation season only.
 # — Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A05103	FEATHER RIVER AT NICOLAUS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	25.70	22.00	28.14	23.99	22.95	22.40	31.41	25.22	23.93	21.50	24.86	24.09	1
2	25.72	21.88	28.15	23.84	27.58	22.00	28.99	24.94	23.92	21.48	24.73	24.12	2
3	25.72	21.79	28.24	23.81	30.00	21.92	27.76	25.40	24.11	21.69	24.33	24.15	3
4	25.74	21.78	28.36	23.80	28.55	22.29	25.72	25.74	24.15	21.58	24.24	24.16	4
5	25.74	21.77	28.47	23.75	27.25	22.37	25.25	25.85	24.76	21.57	24.41	24.16	5
6	25.68	21.79	28.65	23.84	25.15	22.40	25.53	26.03	26.15	21.58	24.38	24.16	6
7	25.67	21.81	28.45	24.46	23.87	22.57	25.41	25.77	26.99	21.59	24.41	24.16	7
8	25.70	21.98	28.04	24.95	23.79	24.63	25.10	25.63	27.57	21.53	24.31	24.14	8
9	25.77	21.94	28.00	25.45	26.76	27.26	24.73	25.60	27.89	21.51	24.31	24.20	9
10	25.81	21.87	27.76	24.97	29.16	27.71	24.68	25.71	28.09	21.50	24.28	24.22	10
11	25.80	21.83	26.49	24.66	29.28	29.40	24.44	25.81	27.98	21.61	23.92	24.22	11
12	25.79	21.83	25.30	24.37	29.20	31.06	24.15	25.85	27.41	22.48	23.86	24.26	12
13	25.74	21.84	24.97	23.99	33.93	31.52	23.98	26.33	26.79	23.43	23.85	24.27	13
14	25.71	22.55	24.63	23.75	36.23	31.49	22.75	26.46	26.32	24.04	23.86	24.24	14
15	25.74	24.34	24.00	23.18	34.74	30.80	23.00	26.44	25.83	24.11	23.86	24.23	15
16	25.74	24.60	23.88	22.91	34.34	30.01	23.02	26.45	25.52	24.11	23.87	24.23	16
17	25.71	24.63	23.88	22.73	33.58	29.30	22.93	26.35	25.37	24.13	23.87	24.18	17
18	25.68	24.73	23.87	22.70	32.90	28.51	22.73	25.90	24.34	24.04	23.92	24.17	18
19	25.66	25.01	23.85	22.59	31.07	28.16	22.62	25.42	23.75	24.00	23.97	24.14	19
20	25.62	25.17	23.79	22.55	30.01	29.01	22.51	25.69	23.43	24.03	24.02	24.15	20
21	23.57	25.44	23.82	22.65	28.84	30.56	22.47	25.42	22.78	24.09	24.02	23.70	21
22	24.51	26.61	23.82	22.72	27.96	33.92	22.54	25.56	22.31	24.48	24.04	23.16	22
23	24.50	27.12	23.72	22.70	27.03	34.85	22.74	25.02	22.18	24.71	24.05	23.08	23
24	24.04	27.34	23.71	22.62	25.99	34.80	22.48	23.78	21.77	24.82	24.05	23.09	24
25	23.05	27.59	23.74	22.57	25.16	35.66	23.63	22.56	21.83	24.89	24.09	23.09	25
26	22.07	27.77	23.70	22.53	24.50	36.31	23.86	22.28	22.47	24.86	24.05	23.09	26
27	21.92	28.03	23.74	22.48	23.89	35.27	23.95	22.26	22.30	24.78	24.02	23.07	27
28	22.02	28.12	24.16	22.42	23.26	34.82	24.49	23.17	21.59	24.47	24.06	23.07	28
29	22.03	28.15	24.49	22.23		34.33	25.31	23.38	21.28	24.79	24.00	23.11	29
30	21.97	28.16	24.33	22.02		33.71	25.42	23.41	21.45	24.80	24.00	23.11	30
31	22.01		24.13	22.03		32.93		24.04		24.75	24.05		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E — ESTIMATED
NR — NO RECORD
NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-6-74	1100	28.67	2-14-75	0230	37.05	3-27-75	0030	35.67			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 53 26	121 26 12	SE14 12N 3E	357,000	51.60	12-23-1955	JUN 21-OCT 28 M JAN 39-DATE	1920-DATE	1920		0.00 -3.30	USED USCGS
Station located on left bank 1.7 miles southwest of Nicolaus and 4.2 miles below Bear River. Prior to September 1973, station located on State Highway 99 Bridge 1.2 miles upstream. Backwater at times affects the stage-discharge relationship. Flow partly regulated by reservoirs and powerplants. Maximum discharge of record is for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is approximately 5,921 square miles.											
B - Irrigation season only.											

TABLE B-II (CONT.)
DAILY MEAN GAGE HEIGHT
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02150	SACRAMENTO RIVER AT VERONA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16.76	15.99	20.65	17.55	15.20	19.53	30.24	19.48	18.23	14.41	16.22	17.58	1
2	16.81	16.33	20.65	16.73	18.93	18.70	27.65	19.44	18.05	14.31	16.28	17.67	2
3	16.64	16.43	20.77	16.28	24.26	18.35	25.30	19.69	18.19	14.29	16.22	17.74	3
4	16.64	16.03	21.17	16.09	25.15	18.40	23.48	20.03	18.27	14.31	16.12	17.90	4
5	16.74	15.44	22.84	15.96	24.07	18.44	22.48	20.37	18.41	14.32	16.26	17.96	5
6	16.76	14.95	24.11	15.96	22.18	18.35	22.37	20.82	19.04	14.34	16.24	17.80	6
7	16.73	14.56	23.36	16.38	20.79	18.36	22.37	20.62	18.84	14.45	16.22	17.66	7
8	16.70	14.57	22.41	17.99	20.79	20.20	21.96	20.30	20.43	14.47	16.16	17.47	8
9	16.73	14.63	21.77	19.36	23.79	24.52	21.42	20.12	20.74	14.44	16.16	17.17	9
10	16.75	14.87	21.39	20.16	26.54	25.85	21.31	20.24	20.83	14.32	16.18	17.22	10
11	16.80	15.24	20.56	19.33	27.57	28.07	20.96	20.58	20.64	14.23	16.11	17.39	11
12	16.81	15.74	19.52	18.36	27.82	29.93	20.37	20.84	20.24	14.59	15.93	17.54	12
13	16.82	16.00	18.93	17.39	29.86	30.40	19.87	21.15	19.60	15.23	15.79	17.66	13
14	16.72	16.22	18.63	16.78	33.17	30.32	19.55	21.43	19.09	15.83	15.82	17.66	14
15	16.75	17.32	18.11	16.16	33.29	29.56	19.60	21.57	18.65	16.00	15.85	17.60	15
16	16.71	17.88	17.84	15.72	33.26	28.65	19.84	21.70	18.28	16.06	15.90	17.48	16
17	16.66	17.98	17.75	15.45	32.61	27.81	19.66	21.83	18.10	16.29	15.96	17.35	17
18	16.59	18.02	17.66	15.29	31.68	26.94	18.96	21.71	17.72	16.57	16.15	17.32	18
19	16.47	18.17	17.50	15.10	30.32	26.58	18.59	21.48	17.11	16.52	16.49	17.19	19
20	16.47	18.28	17.12	15.09	28.82	27.37	18.34	21.60	16.68	16.43	16.80	17.12	20
21	16.50	18.45	16.77	15.42	27.50	29.17	18.14	21.85	16.35	16.46	17.12	16.85	21
22	16.84	19.09	16.63	15.47	26.57	32.46	17.87	21.37	15.94	16.46	17.33	16.37	22
23	17.13	19.67	16.46	15.46	25.57	33.46	17.48	20.53	15.70	16.80	17.29	16.11	23
24	17.10	19.90	16.30	15.33	24.40	33.56	17.46	19.43	15.37	16.65	17.17	16.01	24
25	16.34	20.09	16.26	15.21	23.41	33.87	17.83	18.31	15.03	16.50	17.08	15.92	25
26	15.19	20.25	16.26	15.16	22.59	34.09	18.81	17.91	15.12	16.52	17.04	15.80	26
27	14.82	20.38	16.20	15.02	21.72	33.73	19.68	17.70	15.32	16.55	17.02	15.71	27
28	14.99	20.58	16.43	14.82	20.70	33.57	19.87	17.86	15.02	16.33	16.99	15.64	28
29	15.23	20.62	18.18	14.73		33.16	19.93	18.14	14.58	16.30	17.07	15.65	29
30	15.42	20.63	19.58	14.47		32.54	19.74	18.11	14.48	16.25	17.15	15.68	30
31	15.65		18.69	14.44		31.79		18.15		16.24	17.33		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E	— ESTIMATED																								
NR	— NO RECORD																								
NF	— NO FLOW																								
	<table><tr><th>DATE</th><th>TIME</th><th>STAGE</th><th>DATE</th><th>TIME</th><th>STAGE</th><th>DATE</th><th>TIME</th><th>STAGE</th><th>DATE</th><th>TIME</th><th>STAGE</th></tr><tr><td>12-6-74</td><td>1000</td><td>24.23</td><td>2-14-75</td><td>1130</td><td>33.38</td><td>3-26-75</td><td>0600</td><td>34.17</td><td></td><td></td><td></td></tr></table>	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	12-6-74	1000	24.23	2-14-75	1130	33.38	3-26-75	0600	34.17			
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE														
12-6-74	1000	24.23	2-14-75	1130	33.38	3-26-75	0600	34.17																	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	DF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM		
			CFS	GAGE HT	DATE							
38 46 50	121 36 10	SE23 11N 3E	79,200	41.20	3-1-1940	MAY 26-OCT 28 81 MAY 29-DATE	MAY 1926-DATE	1926		-0.06 -3.00	USED USCS	
Station located 0.8 mile southeast of Verona, 1.0 mile below the Feather River. Records furnished by U. S. Geological Survey. Drainage area is 21,275 square miles.												
B - Irrigation season only.												

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02105	SACRAMENTO RIVER AT SACRAMENTO WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10.48	9.74	13.32	10.86	9.67	13.10	19.89	9.75	8.36	4.86	6.77	7.82	1
2	10.66	10.00	10.37	10.32	11.65	12.37	17.70	9.70	8.42	4.70	6.83	7.81	2
3	10.60	10.08	13.72	9.86	15.67	11.97	15.57	9.83	8.53	4.65	6.84	7.93	3
4	10.54	9.84	14.07	9.67	17.11	11.76	13.81	10.10	8.42	4.78	6.89	8.08	4
5	10.57	9.43	14.92	9.57	16.40	11.82	12.82	10.28	8.45	4.85	7.12	8.05	5
6	10.56	9.04	16.01	9.74	15.09	11.82	12.58	10.60	9.11	4.81	7.12	7.99	6
7	10.57	8.80	15.44	9.95	14.18	12.02	12.61	10.50	9.71	4.83	6.92	7.99	7
8	10.64	8.73	14.60	11.02	13.97	13.10	12.31	10.29	10.14	4.97	6.79	7.92	8
9	10.61	8.69	14.06	11.99	16.27	16.27	11.86	10.21	10.41	4.94	6.82	7.63	9
10	10.58	8.80	13.82	12.63	18.55	17.61	11.72	10.32	10.35	4.96	6.86	7.77	10
11	10.60	9.03	13.26	12.30	19.47	19.34	11.31	10.53	10.17	4.93	6.90	7.88	11
12	10.54	9.42	12.54	11.48	20.00	21.18	10.47	10.71	10.05	5.10	6.83	7.99	12
13	10.49	9.72	11.96	10.75	22.24	21.95	10.03	10.93	9.31	5.52	6.72	7.99	13
14	10.34	9.92	11.76	10.18	24.94	22.12	9.89	11.35	8.67	5.86	6.75	7.89	14
15	10.22	10.63	11.38	9.78	25.12	21.43	9.79	11.38	8.51	6.22	6.78	7.88	15
16	10.12	11.08	11.10	9.44	25.08	20.58	9.90	11.41	8.23	6.48	6.81	7.77	16
17	10.12	11.14	10.86	9.07	24.62	19.80	9.87	11.45	7.98	6.32	6.84	7.69	17
18	10.08	11.16	10.69	8.93	23.88	19.08	9.39	11.25	7.54	6.65	6.94	7.70	18
19	10.06	11.17	10.49	8.71	22.83	18.73	8.97	11.26	7.15	6.78	7.09	7.63	19
20	10.09	11.30	10.17	8.75	21.24	19.18	8.74	11.30	6.98	6.54	7.24	7.48	20
21	10.00	11.75	9.93	9.08	19.72	20.72	8.70	11.54	6.48	6.61	7.54	7.26	21
22	10.17	12.03	9.79	9.20	18.76	23.77	8.68	11.15	6.16	6.62	7.65	6.92	22
23	10.47	12.35	9.63	9.28	17.88	24.96	8.33	10.53	5.98	6.66	7.57	6.63	23
24	10.38	12.52	9.61	9.27	16.94	25.13	8.37	9.70	6.13	6.67	7.42	6.48	24
25	9.98	12.75	9.70	9.23	16.09	25.63	8.68	8.78	5.63	6.53	7.37	6.46	25
26	9.30	12.89	9.86	9.25	15.39	26.13	9.22	8.35	5.55	6.39	7.51	6.46	26
27	9.00	13.03	10.16	9.02	14.69	25.85	9.84	8.29	5.57	6.07	7.41	6.51	27
28	9.43	13.20	10.47	8.95	13.91	25.61	10.00	8.41	5.31	6.09	7.23	6.47	28
29	9.38	13.26	11.20	8.88		25.21	10.04	8.54	4.92	6.35	7.25	6.34	29
30	9.39	13.29	12.33	8.74		24.75	9.92	8.37	4.85	6.35	7.37	6.49	30
31	9.55		11.65	8.90		24.12		8.29		6.26	7.58		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED
NR - NO RECORD
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-6-74	1400	16.17	2-14-75	1545	25.24	3-26-75	0830	26.19			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE
			CFS	GAGE HT	DATE			FROM	TO	
38 36 09	121 33 12	NE29 9N 4E		33.1	12-23-1955		NOV 26-JULY 37# OCT 37-DATE	1926		0.00
								1926		-3.07
									1964	-3.49
										-3.00

Station located 100 feet below weir, 4 miles northwest of Sacramento.

- Flood season only.

TABLE B-II (CONT.)
DAILY MEAN GAGE HEIGHT
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02100	SACRAMENTO RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.63	5.86	9.25	6.94	6.02	9.23	18.70	8.73	7.93	4.81	5.77	6.73	1
2	6.83	6.10	9.31	6.44	7.68	8.52	16.62	8.69	7.83	4.77	5.88	6.73	2
3	6.78	6.16	9.73	5.97	11.32	8.09	14.56	8.80	7.76	4.84	5.94	6.86	3
4	6.72	5.94	10.06	5.82	12.88	7.80	12.83	9.04	7.88	4.94	6.09	7.01	4
5	6.73	5.58	10.77	5.71	12.27	7.87	11.86	9.17	8.28	4.97	6.21	6.95	5
6	6.70	5.21	11.81	5.94	11.12	7.89	11.62	9.47	8.80	5.12	6.26	6.98	6
7	6.71	5.00	11.30	6.14	10.30	8.12	11.64	9.41	9.27	5.19	5.98	7.00	7
8	6.80	4.92	10.52	7.13	10.06	9.01	11.35	9.24	9.63	5.28	5.86	6.92	8
9	6.75	4.86	10.02	7.96	12.21	11.75	10.93	9.18	9.79	5.30	5.92	6.65	9
10	6.72	4.95	9.80	8.56	14.35	13.14	10.78	9.30	9.87	5.17	5.97	6.78	10
11	6.72	5.15	9.32	8.27	15.19	14.64	10.34	9.46	9.85	5.08	6.03	6.86	11
12	6.65	5.52	8.66	7.50	15.80	16.47	9.44	9.60	9.50	5.20	5.95	6.95	12
13	6.59	5.83	8.14	6.81	18.05	17.44	9.02	9.83	8.96	5.52	5.85	6.91	13
14	6.44	6.02	7.89	6.30	20.62	17.75	8.93	10.28	8.51	5.96	5.85	6.80	14
15	6.29	6.65	7.53	5.92	20.81	17.08	8.78	10.28	8.16	5.96	5.89	6.83	15
16	6.18	7.07	7.23	5.59	20.79	16.25	8.87	10.31	7.81	5.86	5.90	6.71	16
17	6.18	7.11	6.95	5.31	20.36	15.47	8.86	10.35	7.66	6.14	5.92	6.65	17
18	6.14	7.13	6.76	5.07	19.65	14.78	8.43	10.25	7.37	6.46	5.97	6.67	18
19	6.15	7.12	6.54	4.93	18.67	14.44	8.00	10.19	7.08	6.44	6.09	6.62	19
20	6.18	7.25	6.22	4.89	17.08	14.81	7.77	10.16	6.76	6.40	6.23	6.44	20
21	6.05	7.77	6.01	5.24	15.57	16.28	7.77	10.41	6.50	6.39	6.50	6.25	21
22	6.19	7.99	5.85	5.37	14.60	19.25	7.81	10.11	6.23	6.33	6.60	5.93	22
23	6.48	8.23	5.70	5.46	13.79	20.51	7.45	9.55	6.16	6.46	6.51	5.64	23
24	6.37	8.39	5.71	5.48	12.92	20.69	7.52	8.86	5.89	6.38	6.38	5.47	24
25	6.05	8.64	5.84	5.46	12.12	21.23	7.82	8.06	5.43	6.18	6.33	5.30	25
26	5.48	8.77	6.03	5.49	11.45	21.80	8.27	7.73	5.45	6.18	6.50	5.53	26
27	5.23	8.94	6.41	5.24	10.76	21.50	8.82	7.61	5.49	6.27	6.36	5.60	27
28	5.72	9.10	6.71	5.21	9.95	21.26	8.96	7.58	5.21	6.19	6.17	5.55	28
29	5.59	9.16	7.22	5.12		20.92	8.99	7.74	5.00	6.07	6.19	5.49	29
30	5.56	9.20	8.29	5.02		20.41	8.89	7.77	4.92	5.83	6.30	5.37	30
31	5.71		7.62	5.27		19.84		7.85		5.72	6.55		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-6-74	1445	11.97	2-14-75	2015	20.93	3/26/75	0830	21.85			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 35 20	121 30 15	NW 35 9N 4E	104,000	30.14	11-21-1950	1904-1905 JUN 21-NOV 21 MAY 24-DEC 42 ^M MAY 43-DATE	JAN 04-JUL 05 20-DATE	1904	1956	0.12	USCGS
								1956		0.00	USCGS
								1956		2.98	USED
								1965	1965	-0.23	USCGS
										0.00	USCGS

Station located 1,000 feet above I Street bridge, 0.5 mile below the American River. Below approximately 30,000 cfs, the stage-discharge relationship is affected by tidal influence. Maximum discharge listed at site and datum then in use. Records furnished by U. S. Geological Survey. Drainage area is 23,530 square miles.

U — Irrigation season only.

TABLE B-II (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A07140	AMERICAN RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18.98	18.15	NR	17.92	18.06	19.52	23.49	19.51	19.48	18.71	18.43	18.09	1
2	19.00	18.14	NR	17.91	18.09	19.52	22.27	19.51	19.48	18.71	18.42	18.08	2
3	18.99	18.13	18.52	17.91	17.95	19.52	21.48	19.53	19.49	18.70	18.43	18.08	3
4	18.99	18.13	18.50	17.92	18.02	19.28	20.94	19.59	19.49	18.71	18.43	18.07	4
5	18.99	18.13	18.48	17.92	18.33	19.05	20.88	19.57	19.49	18.70	18.48	17.71	5
6	19.00	18.13	18.48	17.95	19.22	19.02	20.84	19.53	19.49	18.69	18.45	18.05	6
7	19.02	18.17	18.48	17.93	19.48	19.04	20.80	19.54	19.50	18.69	18.44	18.07	7
8	19.04	18.15	18.48	17.91	19.49	19.09	20.77	19.57	19.50	18.70	18.44	18.08	8
9	19.04	18.14	18.49	17.87	19.78	19.04	20.75	19.56	19.50	18.71	18.44	18.08	9
10	19.00	18.14	18.48	17.87	19.88	19.16	20.74	19.58	19.49	18.70	18.44	18.09	10
11	19.05	18.15	18.47	17.87	20.16	19.58	20.43	19.57	19.48	18.69	18.44	18.08	11
12	19.03	18.14	18.47	17.87	21.15	20.67	19.66	19.52	19.48	18.70	18.44	18.07	12
13	18.81	18.15	18.47	17.86	22.97	21.53	19.46	19.49	19.46	18.70	18.45	17.79	13
14	18.55	18.13	18.48	17.87	24.74	21.64	19.48	19.48	19.03	18.70	18.45	17.75	14
15	18.23	18.14	18.47	17.86	24.87	21.12	19.49	19.47	18.98	18.72	18.45	18.08	15
16	18.12	18.14	18.46	17.87	24.88	20.76	19.51	19.47	18.98	18.74	18.19	18.11	16
17	18.12	18.13	18.25	17.87	24.52	20.34	19.49	19.46	18.97	18.72	18.15	18.11	17
18	18.12	18.13	17.98	17.87	23.95	20.05	19.48	19.46	18.98	18.72	18.20	18.10	18
19	18.12	18.12	17.88	17.86	23.25	20.01	19.47	19.46	18.99	18.73	18.17	18.12	19
20	18.13	18.37	17.87	17.86	21.62	20.05	19.48	19.47	19.06	18.72	18.15	18.10	20
21	18.13	18.49	17.89	17.89	20.75	20.85	19.48	19.48	18.70	18.71	18.15	18.09	21
22	18.13	18.46	17.89	17.89	20.28	23.10	19.47	19.48	18.70	18.70	18.12	18.09	22
23	18.14	18.46	17.88	17.89	19.92	24.25	19.48	19.47	18.70	18.69	18.13	18.10	23
24	18.12	NR	17.88	17.89	19.71	24.43	19.48	19.46	18.71	18.47	18.13	18.09	24
25	18.14	NR	17.88	17.88	19.61	25.18	19.49	19.46	18.72	18.45	18.12	18.09	25
26	18.14	NR	17.88	17.88	19.57	25.89	19.49	19.46	18.69	18.44	18.13	18.09	26
27	18.15	NR	17.93	17.88	19.55	25.65	19.49	19.48	18.70	18.43	18.14	18.10	27
28	18.20	NR	18.08	17.87	19.53	25.44	19.47	19.49	18.70	18.45	18.13	18.10	28
29	18.15	NR	17.92	17.88		25.13	19.47	19.49	18.70	18.45	18.13	18.09	29
30	18.15	NR	17.91	17.89		24.74	19.46	19.48	18.71	18.44	18.13	18.09	30
31	18.19		17.92	17.92		24.31		19.47		18.44	18.13		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-14-75	1530	24.98	3-26-75	1030	25.96						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
38 34 08	121 25 22	SW 3 8N 5E	176,000	45.73	11-21-1950	JUL 21-OCT 21 MAY 24-DEC 42 8 MAY 43-SEPT 59	JUL 21-OCT 21 JUN 24-NOV 24 JUN 1925-DATE	1921	1921	USED USCGS
Station located at H Street Bridge. Backwater at times affects the stage-discharge relationship. Maximum discharge of record listed is for period 1921, 1929-1932, 1934 to date. Maximum gage height listed does not necessarily indicate maximum discharge. Drainage area is 1,937 square miles.										
8 - Irrigation season only.										

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	AF1820	SCOTT'S CREEK NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.12	2.27	0.71	0.25	0.35 E	0.27 E	10.07	9.12	2.18	2.78	3.40	0.19	1
2	1.24	2.34	0.86	0.29	0.25 E	0.34 E	9.92	9.05	2.12	2.75	3.10	0.09	2
3	1.28	2.40	1.04	0.30	0.24 E	0.30 E	9.79	9.03	2.09	2.74	2.75	0.09	3
4	1.29	2.47	1.55	0.32	0.77 E	0.30 E	9.71	8.99	2.06	2.73	2.49	0.09	4
5	1.30	2.54	1.66	0.33	0.92 E	0.38 E	9.60	9.02	2.03	2.69	2.13	0.09	5
6	1.31	2.63	1.96	0.35	0.87 E	0.47	9.49	9.01	2.08	2.62	1.97	0.09	6
7	1.32	2.75	1.96	0.47	10.34 E	0.55	9.37	8.99	2.05	2.56	1.31	0.09	7
8	1.34	2.90	1.98	0.45	10.55 E	11.28	9.26	8.98	2.02	2.53	1.01	0.09	8
9	1.38	2.99	1.61	0.52	13.72 E	10.99	9.15	8.96	2.02	2.50	0.70	0.71	9
10	1.43	3.09	1.60	0.71	12.73 E	10.33	9.13	8.92	2.03	2.46	0.09	0.73	10
11	1.50	3.19	1.69	0.95	10.81 E	9.79	9.15	8.89	2.04	2.41	0.09	0.75	11
12	1.52	3.28	1.77	0.97	10.82 E	9.49	9.15	8.88	2.05	2.35	0.09	0.77	12
13	1.54	3.37	1.84	1.09	13.69 E	9.33	9.14	8.96	2.07	2.35	0.09	0.80	13
14	1.58	3.46	1.91	0.84	12.06 E	9.25	9.12	8.91	2.07	2.27	0.71	0.77	14
15	1.59	2.56	1.99	0.42	9.05 E	9.26	9.17	8.75	2.00	2.25	0.72	0.70	15
16	1.62	3.70	2.04	0.32	8.96 E	9.57	9.17	8.75	2.02	2.24	0.09	0.70	16
17	1.65	0.67	2.09	0.24	8.44 E	10.03	9.14	8.74	2.03	2.13	0.09	0.70	17
18	1.68	0.68	2.12	0.17	8.23 E	12.43	9.10	8.70	2.04	2.11	0.09	0.70	18
19	1.69	0.67	2.12	0.12	8.78 E	13.20	9.06	8.57	2.07	2.10	0.09	0.70	19
20	1.71	0.67	2.20	0.07	9.10 E	12.20	9.07	8.54	2.02	2.05	0.09	0.09	20
21	1.75	0.68	2.26	0.04	8.90 E	11.96	9.05	8.55	2.05	2.06	0.09	0.09	21
22	1.77	0.73	2.31	0.01	8.62 E	13.98	9.04	8.53	2.03	2.04	0.09	0.09	22
23	1.77	0.70	2.35	0.95 E	8.47 E	13.28	9.06	8.50	2.03	2.07	0.09	0.09	23
24	1.77	0.67	2.38	0.96 E	8.38 E	12.09	9.14	8.47	2.04	2.03	0.09	0.09	24
25	1.79	0.75	2.43	0.94 E	8.34 E	13.74	9.16	8.44	2.06	2.06	0.09	0.09	25
26	1.83	0.74	2.48	0.93 E	8.27 E	12.51	9.14	8.38	2.00	2.02	0.09	0.09	26
27	1.88	0.73	3.12	0.89 E	8.25 E	11.70	9.14	8.35	2.04	2.14	0.09	0.09	27
28	2.00	0.72	5.11	0.77 E	8.25 E	11.01	9.15	8.33	2.02	2.22	0.09	0.09	28
29	2.06	0.71	5.28	0.89 E	8.25 E	10.13	9.14	8.30	2.09	2.53	0.09	0.11	29
30	2.10	0.71	5.00	0.96 E	8.25 E	10.41	9.13	8.28	2.02	2.70	0.09	0.73	30
31	2.18		5.13	0.90 E	8.25 E	10.21		8.25		3.66			31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E — ESTIMATED
 NR — NO RECORD
 NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
3-22-75	1030	14.11									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D & B	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
39 09 32	122 55 13	SW12 15N 10W		22.14	12/23/64			NOV 59-DATE	1959	1321.2 USCGS

Station located 0.1 mi. above State Highway 29 Bridge, 0.7 mi. SW of Upper Lake. Gage height reflects the elevation of Clear Lake as well as flow of Scotts Creek.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	B07020	SAN JOAQUIN RIVER NEAR VERNALIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	13.67	14.71	13.77	13.34	14.14	13.74	16.38	12.11	14.98	11.67	10.65	11.31	1
2	13.74	14.83	13.93	13.21	14.09	13.66	15.79	11.92	15.85	11.59	10.59	11.12	2
3	13.44	15.14	14.16	12.44	13.03	13.76	15.07	11.88	16.49	11.49	10.59	11.10	3
4	13.25	15.24	14.64	13.45	13.36	13.46	14.42	12.86	17.20	11.59	10.67	11.00	4
5	13.16	15.18	14.57	13.70	14.67	13.66	14.05	13.55	17.39	11.63	10.62	11.26	5
6	12.90	14.58	14.62	13.30	15.94	13.85	13.93	13.58	16.99	11.73	10.50	11.60	6
7	12.74	13.78	14.90	12.53	16.75	14.24	14.10	13.83	17.22	11.71	10.58	11.95	7
8	12.71	13.58	14.96	13.56	17.06	14.63	14.28	14.00	17.38	11.53	10.64	12.12	8
9	12.65	13.57	14.92	13.65	17.03	14.86	14.88	13.94	17.65	11.68	10.69	12.06	9
10	12.46	13.55	14.82	13.75	16.74	15.00	15.11	13.89	17.83	11.62	10.72	11.89	10
11	12.25	13.50	14.77	13.87	16.81	15.07	15.10	13.56	17.75	11.27	10.82	12.08	11
12	12.58	13.49	14.75	13.88	16.98	15.61	14.96	13.44	17.34	11.17	10.76	12.20	12
13	12.80	13.50	14.72	13.34	16.95	15.79	14.74	13.30	16.10	11.16	10.63	12.46	13
14	12.80	13.53	14.71	12.56	17.56	15.73	14.54	13.58	16.17	11.08	10.55	12.50	14
15	12.68	13.47	14.72	13.52	18.40	16.31	14.20	13.75	17.07	10.98	10.48	12.49	15
16	12.36	13.51	14.72	13.84	18.28	16.26	13.79	13.90	17.53	10.96	10.49	12.64	16
17	12.78	13.57	14.61	13.95	17.71	16.20	13.33	14.02	17.62	11.09	10.70	12.50	17
18	13.02	13.57	14.20	14.00	17.01	16.35	13.17	14.20	17.78	11.12	11.27	12.45	18
19	12.93	13.57	13.96	13.90	16.64	16.05	13.02	14.31	17.59	11.24	11.85	12.48	19
20	12.82	13.56	13.82	13.37	16.76	16.30	13.05	14.32	16.59	11.26	12.06	12.67	20
21	12.85	13.35	13.75	12.61	16.55	16.53	13.13	14.54	14.51	11.23	11.89	12.72	21
22	12.93	13.24	13.66	13.74	16.27	16.56	12.99	14.64	13.55	11.02	11.78	12.72	22
23	13.45	13.18	12.79	14.07	15.99	16.96	12.83	14.54	13.14	10.76	11.77	12.68	23
24	14.07	13.18	12.66	14.20	15.41	16.94	12.72	14.45	12.82	10.78	11.73	12.76	24
25	14.35	13.38	12.73	14.19	15.03	16.48	12.61	14.51	12.62	11.02	11.57	12.82	25
26	14.56	13.48	12.94	13.97	15.47	16.84	12.62	14.57	12.32	10.79	11.11	13.02	26
27	14.57	13.64	12.49	13.30	15.00	16.91	12.69	14.53	12.17	10.88	11.02	13.07	27
28	14.52	13.74	13.32	12.62	14.20	16.67	12.71	14.58	12.11	10.79	11.03	13.06	28
29	14.62	13.74	13.53	13.68	16.57	16.74	12.51	14.57	12.07	10.69	10.92	13.02	29
30	14.77	13.67	13.21	13.98	16.74	16.74	12.28	14.62	12.04	10.71	10.88	12.93	30
31	14.82		12.53	14.11		16.83		14.70		10.75	11.06		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-15	1845	18.60									

E - ESTIMATED

NR - NO RECORD

NF - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC. T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
37 40 34	121 15 55	NW 13 3S 6E	79,000	32.81	12-9-1950	JUL 22-DEC 23 8 JAN 24-FEB 25 JUN 25-OCT 28 8 MAY 29-DATE	JUL 22-DEC 23 8 JAN 24-FEB 25 JUN 25-OCT 28 8 MAY 29-DATE	1931	1959	5.06 0.00 3.3 USED	USCGS USCGS

Station located on left bank 12 feet downstream from Durham Ferry highway bridge, 2.6 miles downstream from Stanislaus River, and 3.2 miles northeast of Vernalis. Maximum discharge listed at site then in use and present datum. Records furnished by U. S. Geological Survey. Drainage area is 13,540 square miles.

B - Irrigation season only.

TABLE B-II (CONT.)
DAILY MEAN GAGE HEIGHT
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	032100	EAGLE LAKE NEAR SUSANVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	11.44	11.27	11.23	11.33	12.5 ⁺ E	12.6 ⁺ E	12.70 E	12.74	13.30 E	13.45 E	13.20	12.35	1
2	11.44	11.25	11.22	11.33	12.5 ⁺ E	12.6 ⁺ E	12.70 E	12.74	13.30 E	13.45 E	13.22	12.35	2
3	11.43	11.24	11.23	11.33	12.5 ⁺ E	12.6 ⁺ E	12.70 E	12.74	13.30 E	13.45 E	13.22	12.31	3
4	11.42	11.24	11.29	11.34	12.5 ⁺ E	12.6 ⁺ E	12.71 E	12.95	13.30 E	13.45 E	13.20	12.31	4
5	11.39	11.24	11.29	11.35	12.5 ⁺ E	12.6 ⁺ E	12.71 E	12.97	13.30 E	13.45 E	13.20	12.31	5
6	11.3	11.23	11.20	11.35	12.5 ⁺ E	12.6 ⁺ E	12.71 E	12.97	13.30 E	13.45 E	13.14	12.31	6
7	11.30	11.23	11.20	11.35	12.5 ⁺ E	12.6 ⁺ E	12.71 E	13.00	13.30 E	13.45 E	13.14	12.31	7
8	11.30	11.24	11.20	11.40	12.5 ⁺ E	12.6 ⁺ E	12.72 E	13.03	13.30 E	13.45 E	13.10	12.31	8
9	11.35	11.24	11.20	11.39	12.5 ⁺ E	12.6 ⁺ E	12.72 E	13.07	13.30 E	13.45 E	13.10	12.31	9
10	11.35	11.24	11.20	11.40	12.59 E	12.65 E	12.72 E	13.11	13.30 E	13.45 E	13.08	12.31	10
11	11.34	11.23	11.20	11.39	12.59 E	12.65 E	12.72 E	13.1	13.30 E	13.45 E	13.09	12.31	11
12	11.32	11.23	11.20	11.37	12.59 E	12.65 E	12.73 E	13.21	13.30 E	13.45 E	13.09	12.31	12
13	11.32	11.23	11.20	11.37	12.59 E	12.65 E	12.73 E	13.21	13.30 E	13.45 E	13.09	12.31	13
14	11.31	11.23	11.29	11.39	12.59 E	12.65 E	12.73 E	13.35	13.37	13.45 E	13.04	12.31	14
15	11.31	11.23	11.29	11.39	12.59 E	12.65 E	12.73 E	13.43	13.51	13.45 E	13.04	12.31	15
16	11.30	11.23	11.29	11.39	12.59 E	12.65 E	12.74 E	13.49	13.51	13.45 E	13.01	12.31	16
17	11.30	11.22	11.30	11.39	12.59 E	12.65 E	12.74 E	13.50	13.51	13.45 E	13.01	12.31	17
18	11.30	11.23	11.30	11.39	12.59 E	12.65 E	12.74 E	13.54	13.49	13.45 E	13.00	12.31	18
19	11.29	11.22	11.30	11.39	12.59 E	12.65 E	12.75 E	13.57	13.48	13.43	12.00	12.31	19
20	11.29	11.20	11.30	11.45	12.59 E	12.65 E	12.75 E	13.52	13.48	13.43	13.00	12.31	20
21	11.2	11.20	11.30	12.4	12.59 E	12.65 E	12.75 E	13.55	13.47	13.41	13.00	12.31	21
22	11.25	11.25	11.30	12.47	12.59 E	12.65 E	12.75 E	13.59	13.46	13.41	12.99	12.31	22
23	11.25	11.24	11.29	12.40	12.59 E	12.65 E	12.75 E	13.70	13.46	13.39	12.98	12.31	23
24	11.24	11.20	11.29	12.50	12.59 E	12.65 E	12.75 E	13.73	13.43	13.39	12.95	12.31	24
25	11.23	11.25	11.29	12.51	12.59 E	12.65 E	12.75 E	13.70	13.44	13.37	12.95	12.31	25
26	11.23	11.24	11.29	12.54	12.59 E	12.65 E	12.75 E	13.75	13.45 E	13.37	12.91	12.31	26
27	11.22	11.24	11.30	12.55 E	12.59 E	12.65 E	12.77	13.75	13.45 E	13.33	12.91	12.31	27
28	11.24	11.23	11.34	12.55 E	12.59 E	12.65 E	12.78	13.71	13.45 E	13.33	12.91	12.31	28
29	11.25	11.23	11.33	12.55 E	12.59 E	12.65 E	12.79	13.82	13.45 E	13.30	12.91	12.31	29
30	11.24	11.23	11.33	12.55 E	12.59 E	12.65 E	12.81	13.85	13.45 E	13.30	12.91	12.31	30
31	11.2	11.23	11.33	12.55 E	12.59 E	12.65 E	12.70 E	13.81	13.45 E	13.20	12.87	12.31	31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
5-30-75	0000	13.85									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO	
40 36 45	120 43 34	SW22 32N 11E		13.88	5/30/75			OCT 56-DATE	1956	5095.06 USCGS

Station located on east shore, 14 mi. NW of Susanville.

TABLE B-12

DAILY TIDES

This table shows the water surface elevations for the daily high and low tides or the daily maximum and minimum water surface elevations for days where normal tide patterns did not occur.

The reported elevations are referenced to USC&GS mean sea level datum established at the Golden Gate in 1929. Water surface elevation at each station referenced to this datum is obtained by subtracting the zero of the gage, shown under "Datum of Gage", from the reported elevations.

Example:

1. Pages 162 and 163 "Sacramento River near Freeport". From Page 163 the zero of the gage since 1964 = 0.00 USC&GS datum. Elevations referenced to mean sea level of the Golden Gate are as reported.
2. Pages 164 and 165. "Sacramento River at Snodgrass Slough". From Page 165 the zero of the gage since 1964 = -3.00' USC&GS datum. Elevations referenced to mean sea level at the Golden Gate are obtained by subtracting 3.00 from the reported values.

TABLE 8-12 (CONTINUED)

DAILY TIDES

891850 SACRAMENTO RIVER NEAR FREEPORT
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	DATE
01	4.45 4.47 5.10 5.45	3.78 4.01 4.39 5.17	6.55 6.67 6.81 7.44	NR NR	4.03 4.29 5.37 5.06	6.84 6.53 7.47 6.85	01
02	4.67 4.72 5.25 5.75	3.92 4.25 4.57 5.40	6.61 6.78 6.93 7.46	NR NR	4.69A 6.87A	6.19 5.08 6.89 6.19	02
03	4.74 4.88 5.26 5.61	4.10 4.27 4.62 5.28	NR NR	NR NR	6.91A 9.56A	5.76 5.38 6.51	03
04	4.61 4.61 5.11 5.65	3.93 4.12 4.47 5.02	NR NR	NR NR	9.60A 10.35A	5.67 5.21 5.41 5.32	04
05	4.58 4.66 5.05 5.64	3.64 3.87 4.28 4.68	NR NR	NR NR	9.71A 8.72A	5.74 6.29 5.51 5.40	05
06	4.53 4.65 4.95 5.47	3.32 3.56 4.11 4.21	NR NR	NR NR	8.72A 7.92A	5.81 6.35 5.63 5.34	06
07	4.47 4.78 4.95 5.77	2.99 3.58 4.21	NR NR	NR NR	7.85 7.69 7.96 8.20	5.86 6.91 5.76	07
08	4.63 4.87 5.13 5.61	4.21 4.05 3.03 3.23	NR NR	4.26 4.87 4.95 6.29	7.28A 8.07A	6.03A 7.46A	08
09	4.55 4.82 5.13	3.85 4.18 2.93 3.16	NR NR	5.37 5.76 5.99 6.39	7.99A 10.41A	7.49A 9.78A	09
10	5.56 5.13 4.51 4.70	3.77 4.31 3.01	NR NR	5.72 6.16 6.11 6.83	10.41A 11.00A	9.70A 10.47A	10
11	5.43 5.14 4.57	3.21 3.20 3.82 4.52	NR NR	5.96 5.83 6.11 6.41	11.58A 12.04A	10.47A 12.28A	11
12	5.26 5.16 4.51	3.42 3.56 4.44 4.87	NR NR	5.32 5.55 5.11 5.73	11.94A 12.91A	12.29A 13.47A	12
13	5.19 5.24 4.39	3.69 3.09 4.31 5.17	NR NR	4.68 4.61 4.96 5.26	12.91A 15.57A	13.48A 14.17A	13
14	4.41 4.29 5.06 5.26	3.89 4.06 4.44 5.36	NR NR	4.09 4.26 4.64 4.91	15.00A 16.81A	14.17A 13.85A	14
15	4.28 4.21 4.89 5.19	4.26 4.68 4.93 5.81	NR NR	3.90 4.01 4.47 4.59	16.76A 16.62A	13.84A 13.14A	15
16	4.09 4.14 4.72 5.27	4.75 4.97 5.23 4.88	NR NR	3.57 3.79 4.31 4.27	16.78A 16.51A	13.13A 12.44A	16
17	4.11 4.18 4.72 5.29	4.83 5.01 5.27 5.71	NR NR	3.38 3.50 3.81 3.80	16.52A 16.05A	12.43A 11.68A	17
18	4.05 4.18 4.65 5.31	4.78 5.12 5.33 4.66	NR NR	3.06 3.31 3.97 3.57	16.03A 15.34A	11.67A 11.26A	18
19	4.06 4.32 4.74 5.35	4.78 5.07 5.27 4.95	NR NR	3.01 3.08 3.95 3.22	15.33A 14.30A	11.01A 11.29A	19
20	4.13 4.42 4.79 5.23	4.73 5.29 5.43 4.62	NR NR	2.88 3.14 4.06 3.14	14.29A 12.68A	11.14A 11.44A	20
21	3.97 4.28 4.53 4.92	5.11 4.80 4.34 4.03	NR NR	3.42 4.48 3.26 3.36	12.68A 11.58A	11.86A 13.85A	21
22	3.95 4.55 4.75 5.16	6.02 6.09 5.42 5.76	NR NR	3.63 4.62 3.47 3.34	11.58A 10.84A	13.89A 16.19A	22
23	4.28 4.61 4.97	5.88 6.21 5.41 5.85	NR NR	3.69 4.84 3.55	10.82A 10.01A	16.20A 16.53A	23
24	4.91 4.91 4.41	5.96 4.37 5.75 6.00	NR NR	3.44 3.62 3.85 4.93	10.00 9.03 10.02 9.88	16.52A 16.68A	24
25	4.76 4.78 4.04	6.27 6.68 6.06	NR NR	3.44 3.61 3.93 5.03	9.22 8.93 9.35 9.27	16.65A 17.49A	25
26	4.48 4.58 3.61	6.13 6.16 6.31 4.86	NR NR	3.57 3.70 4.13 4.98	8.00 8.34 8.84 8.68	17.40A 17.67A	26
27	4.19 4.54 3.39 3.61	6.24 6.33 4.46 7.04	NR NR	3.48 3.41 3.98 4.56	8.03 7.75 8.33 8.07	17.51A 17.20A	27
28	4.57 5.48	6.38 6.59 6.64 7.24	NR NR	3.27 3.41 3.98 4.86	7.42 7.12 7.87 7.44	17.25A 17.00A	28
29	4.03 3.71 4.44 4.88	6.49 6.56 4.72 4.28	NR NR	3.34 3.36 4.07 4.43		17.03A 16.63A	29
30	3.68 3.72 4.29 4.92	6.50 6.61 6.76 7.37	NR NR	3.19 3.19 4.27 4.30		16.63A 16.19A	30
31	3.65 3.89 4.28 5.07		NR NR	3.17 3.71 4.46 4.95		16.18A 15.63A	31
MAXIMUM	5.77	7.37	NR	NR	16.81A	17.67A	MAXIMUM
MINIMUM	3.99	2.93	NR	NR	4.03A	5.32A	MINIMUM

NR = NO RECORD

A = HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

LOCATION: LAT. 38 28 25, LONG. 121 31 58, SW SEC. 10, T7N, R4E,
10.7 MILES BELOW SACRAMENTO, 1.9 MILES NORTHWEST OF FREEPORT.
MAXIMUM GAGE HEIGHT LISTED AT PRESENT DATUM.

PERIOD OF RECORD: AUG 1955 TO DATE

TABLE B-12 (CONTINUED)
DAILY TIDES
801950 SACRAMENTO RIVER NEAR FREEPORT
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
01	15.614 14.224	6.30 6.04	6.71 6.23 5.87	3.29 3.40 2.81	4.98 3.76 3.99	5.63 4.48 4.61	01
02	14.194 12.224	6.49 6.26 5.96	6.29 5.71 5.33	4.39 3.69 3.25	5.16 3.79 4.15	5.61 4.48 4.62	02
03	12.214 10.524	6.49 6.23 6.17	6.18 5.46 5.27	4.45 3.33 3.11	5.28 3.79 4.29	5.70 4.59 4.71	03
04	10.514 9.174	6.78 6.46 6.57	6.23 5.52 5.53	4.65 3.46 3.25	5.55 3.97 4.23	5.79 4.75 5.35	04
05	9.324 8.594	6.83 6.50 6.60	6.74 5.87 6.02	4.75 3.55 3.28	5.68 4.00 4.74	4.82 5.84 4.75	05
06	8.86 8.68 8.91	7.02 6.76 6.89	7.03 6.29 6.52	4.94 3.82 3.56	5.71 4.11 4.78	4.71 5.73 4.70	06
07	8.96 8.71 8.92	7.15 6.68 6.81	7.38 6.61 6.92	5.16 4.01 3.62	5.19 3.62 3.81	4.99 4.83 4.80	07
08	8.84 8.45 8.64	7.12 6.52 6.73	7.67 6.89 7.11	5.17 4.05 3.26	3.83 5.12 3.73	4.92 5.60 4.85	08
09	8.22 8.04 8.29	7.16 6.74 6.87	7.61 7.01 7.28	3.59 3.31 3.62	3.90 5.09 4.82	4.65 5.17 4.67	09
10	7.95 7.69 7.99	6.56 6.57 6.85	7.19 7.91 7.11	3.52 5.06 3.20	4.00 4.98 3.88	4.67 5.27 4.64	10
11	7.92 7.39 7.50	6.69 6.66 6.90	7.27 8.06 7.12	3.45 4.88 3.11	4.19 5.02 3.95	4.75 5.23 4.81	11
12	7.00 6.54 6.76	6.81 6.78 7.04	7.17 7.78 7.00	3.47 4.72 3.22	4.17 4.74 3.89	4.76 5.26 4.95	12
13	6.48 6.26 6.48	7.11 6.93 7.04	6.57 7.18 6.25	3.68 4.67 3.50	4.05 4.45 3.80	4.79 5.25 4.91	13
14	6.50 6.20 6.48	7.18 7.47 7.45	6.45 6.92 6.85	4.11 3.92 3.92	3.95 3.87 3.87	5.82 4.62 4.83	14
15	6.31 6.06 6.27	6.89 7.59 7.37	6.00 6.51 6.63	4.16 4.55 3.75	5.33 4.37 4.01	5.72 5.19 4.71	15
16	6.27 6.18 6.27	6.89 7.58 7.39	7.94 6.58 5.99	5.75 3.92 3.72	5.47 3.90 4.02	5.54 4.51 4.62	16
17	6.58 6.91 6.58	6.46 6.08 7.78	7.65 7.36 5.76	5.47 5.31 4.50	4.01 5.34 4.63	3.84 5.42 4.19	17
18	6.44 6.44 6.44	6.11 5.62 7.51	7.74 7.86 5.35	5.17 4.93 4.71	4.32 4.41 4.52	5.28 4.60 4.56	18
19	6.02 6.02 6.02	5.74 5.26 7.52	7.67 7.90 5.15	4.91 4.67 4.71	4.23 4.41 4.59	3.97 4.63 4.54	19
20	5.79 5.79 5.79	5.45 5.11 7.35	7.43 5.92 4.94	4.51 4.63 4.77	4.20 4.45 4.45	4.14 5.20 4.07	20
21	5.88 5.88 5.88	5.40 5.31 7.94	7.57 7.44 4.73	5.94 4.27 4.74	4.20 4.35 4.35	4.32 5.39 4.22	21
22	6.18 5.97 6.18	5.59 4.22 7.97	7.29 7.10 4.68	4.04 4.31 4.78	4.14 4.43 4.43	4.56 5.45 5.10	22
23	5.95 5.57 5.95	5.08 4.96 7.71	6.80 6.96 4.76	3.97 4.40 4.29	5.61 4.91 4.91	4.50 5.28 5.11	23
24	5.94 5.94 5.94	5.11 6.02 6.19	7.31 6.38 3.75	5.43 4.37 4.37	4.44 4.86 4.20	5.08 5.04 4.21	24
25	5.37 5.37 5.37	6.37 5.96 5.99	6.72 5.85 5.47	4.93 3.85 3.28	4.32 4.02 4.02	5.26 4.84 4.21	25
26	5.57 5.72 5.57	6.51 6.22 5.52	6.45 5.85 5.22	3.68 4.75 4.31	4.30 4.03 4.03	5.14 5.00 5.00	26
27	6.01 6.20 6.01	6.93 6.60 5.51	6.38 5.68 5.12	3.87 4.69 3.32	4.39 4.32 4.20	5.09 5.31 5.31	27
28	6.38 6.22 6.38	7.02 6.56 5.36	6.08 5.73 5.09	3.77 4.33 3.01	4.54 5.23 4.01	4.94 5.13 4.04	28
29	6.22 6.29 6.29	7.00 6.69 5.54	6.11 5.91 5.21	3.56 4.00 2.97	4.35 4.28 4.01	4.63 5.10 4.13	29
30	6.46 6.11 6.46	6.95 5.68 5.23	6.14 5.91 5.23	3.71 4.39 2.93	4.04 3.65 4.91	4.16 4.33 4.33	30
31		6.07 6.06 5.76	5.76 5.36	3.79 3.64	3.91 4.59	5.43 4.59	31
MAXIMUM	15.614	8.11	8.06	5.76	4.71	6.00	MAXIMUM
MINIMUM	4.964	5.09	2.93	2.81	1.73	3.51	MINIMUM

A = HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

MAXIMUM GAGE HEIGHT OF RECORD: 23.9 - 12-23-55

ZERO OF GAGE: 1955 4.93 USCGS
1956 0.00 USCGS
1964 -0.43 USCGS
1964 TO DATE 0.00 USCGS

TABLE B-12 (CONTINUED)

DAILY TIDES

891750 SACRAMENTO RIVER AT SNODGPASS SLOUGH
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.48 5.54	6.81 7.27	5.05 5.50	6.30 7.36	6.72 7.11	7.56 8.62	5.44 5.74	6.66 7.08	5.45 5.70	7.50 8.97	7.30 7.13	8.75 8.86	01
02	5.73 5.86	6.94 7.66	5.16 5.72	6.43 7.52	6.78 7.23	7.73 8.69	5.27 5.46	6.65 6.47	5.91 6.54	7.95 7.53	6.93 6.61	8.34 7.39	02
03	5.81 5.87	6.98 7.54	5.25 5.71	6.40 7.34	6.96 7.78	8.05 9.26	4.89 5.10	6.48 5.93	7.28 6.80	9.38	6.57 5.95	7.99 6.74	03
04	5.65 5.84	6.81 7.58	5.11 5.62	6.30 7.15	7.69 8.06	8.79 8.98	4.72 5.04	6.78 5.67	6.67 10.58	9.52 9.27	6.26 5.99	7.75	04
05	5.60 5.90	6.69 7.54	4.94 5.50	6.28 6.86	7.59 8.26	8.81 8.99	4.68 4.90	6.75	9.56 10.02	9.14 8.52	6.98 7.80	6.47 6.06	05
06	5.54 5.91	6.56 7.44	4.72 5.24	6.23 6.40	8.33 8.63	9.40 8.98	5.62 7.35	4.99 5.23	8.85 9.34	8.40 7.88	7.08 7.83	6.65 6.03	06
07	5.43 6.10	6.56 7.66	4.48 5.30	6.49 6.45	8.22 8.08	9.21	6.03 7.42	5.37 5.29	8.54 9.14	8.03 7.52	7.16 8.57	6.75 6.86	07
08	5.65 6.19	6.78 7.45	4.54 4.84	6.31	8.50 8.83	7.75 7.53	6.49 8.16	6.11 6.12	8.36 9.05	7.80 7.69	7.99 8.48	7.28 7.49	08
09	5.54 6.09	6.81 7.38	6.00 6.51	4.46 4.72	8.05 8.76	7.45 7.33	6.95 7.77	6.38	9.33 10.37	8.93 9.73	8.95 9.93	6.71 9.14	09
10	5.48 5.90	6.86	5.88 6.62	4.53 4.66	8.02 8.84	7.47 7.22	6.07 6.61	6.97 7.98	10.71 11.14	10.35	9.99 10.30	9.50 9.64	10
11	7.21 6.84	5.47 5.63	5.85 6.79	4.69 4.76	7.92 8.05	7.33	6.25 6.45	6.95 7.76	10.50 10.74	11.02 11.35	10.56 11.18	10.33 11.00	11
12	6.99 6.90	5.76 4.52	5.99 7.08	4.99	6.86 7.03	7.61 8.43	5.86 5.97	6.62 7.19	10.79 11.04	11.30 11.74	11.72 12.15	11.40 11.99	12
13	6.92 7.08	5.42 5.45	4.95 5.30	6.21 7.36	6.51 6.75	7.34 8.06	5.36 5.60	6.25 6.92	11.574 13.604	13.604	12.45 12.82	12.30	13
14	6.84 7.22	5.42	5.12 5.50	6.34 7.56	6.21 6.58	7.10 7.93	5.09 5.43	6.18 6.71	13.636 14.804	14.804	12.56 12.48	12.84 12.64	14
15	5.37 5.38	6.68 7.20	5.41 5.94	6.66 7.73	6.06 6.40	6.95 7.61	4.91 5.30	6.18 6.45	14.63 14.56	14.82 14.71	12.29 11.95	12.56 12.15	15
16	5.20 5.40	6.55 7.34	5.85 6.13	6.73 7.64	5.81 6.02	6.79 7.11	4.73 5.15	6.17 6.12	14.884 14.514	14.514	11.81 11.39	12.17 11.56	16
17	5.23 5.50	6.54 7.37	5.66 6.11	6.73 7.36	5.39 5.88	6.53 6.97	4.58 4.88	6.04 5.59	14.614 14.134	14.134	11.17 10.80	11.55 10.96	17
18	5.19 5.57	6.48 7.41	5.54 6.24	6.80 7.25	5.31 5.86	6.60 6.53	4.34 4.70	5.95 5.32	14.134 13.594	13.594	10.58 10.33	11.11 10.55	18
19	5.26 5.81	6.64 7.47	5.51 6.11	6.65 6.83	5.08 5.48	6.47 6.12	4.35 4.47	5.99 4.97	13.584 12.844	12.844	10.31 10.15	10.89 10.48	19
20	5.36 5.94	6.69 7.27	5.39 6.26	6.74 6.93	4.90 5.36	6.33 5.66	4.29 4.50	6.17	12.48 11.51	12.59	10.33 10.45	10.88	20
21	5.16 5.74	6.34 6.81	5.79 7.04	7.86 7.17	4.74 4.33	6.47 5.59	5.14 5.60	4.73 4.62	11.52 11.40	11.16 10.54	10.96 11.56	10.95 11.52	21
22	5.07 5.98	6.54 6.96	6.01 6.30	7.30 6.30	4.81 4.95	6.38	5.33 6.76	4.98 4.58	10.66 10.83	10.36 9.93	12.424 14.174	14.174	22
23	5.33 5.88	6.68 6.53	6.64 7.23	5.95 6.20	5.31 6.29	4.75 4.67	5.44 7.04	5.08 4.70	10.23 10.48	9.80	14.43 14.66	14.38 14.40	23
24	5.17 5.65	6.12 7.36	6.42 7.36	6.05 6.32	5.23 6.03	4.84 4.75	5.67 7.19	5.17 4.74	9.36 9.19	9.84 10.11	14.72 14.86	14.53 14.55	24
25	6.44 6.68	5.16 5.45	7.04 7.75	6.45 6.37	5.52 7.06	5.09 4.93	5.86 7.36	5.14	8.82 8.70	9.54 9.77	15.08 15.37	14.88 15.20	25
26	6.44 6.81	5.08 5.19	6.99 7.96	6.52	5.91 7.47	5.43 5.10	4.89 5.32	6.11 7.32	8.42 8.27	9.31 9.30	15.57 15.63	15.37 15.28	26
27	6.34 6.86	4.98 5.12	6.46 6.71	7.17 8.14	6.24 8.28	5.82	4.86 4.98	5.99 6.91	8.00 7.83	8.99 8.82	15.57 15.36	15.14 15.03	27
28	6.78 7.85	5.63 5.62	6.54 6.90	7.33 8.38	5.82 5.92	6.72 7.71	4.67 4.95	6.07 7.17	7.60 7.43	8.82 8.38	15.01 14.90	15.34 15.14	28
29	6.51 7.17	5.28	6.65 6.93	7.40 8.38	5.41 5.88	6.45 7.91	4.77 4.85	6.20 6.74			14.82 14.64	15.22 14.85	29
30	5.10 5.27	6.34 7.19	6.65 7.04	7.49 8.55	6.09 6.52	7.09 7.98	4.65 4.91	6.48 6.62			14.53 14.29	14.89 14.00	30
31	5.02 5.39	6.24 7.29			5.98 5.86	6.61 7.17	4.69 5.20	6.75 7.11			14.21 13.95	14.55 14.06	31
MAXIMUM	7.85		8.55		9.40		8.16		14.884		15.634		MAXIMUM
MINIMUM	4.98		4.46		4.67		4.29		6.454		0.004		MINIMUM

A - HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

LOCATION: LAT. 38 21 02, LONG. 121 31 56, SW SEC 22, T6N, R4E,
0.2 MILE ABOVE HEAD OF SLOUGH (LEVEED OFF FROM RIVER),
WEST OF STATE HWY 160, 2.5 MILES NE OF COURTLAND. AT
TIMES TIDAL FLUCTUATION IS INFLUENCED BY OPERATION OF
THE DELTA CROSS CHANNEL GATES.

PERIOD OF RECORD: AUG 1939 TO DATE

TABLE R-12 (CONTINUED)

DAILY TIDES

891750 SACRAMENTO RIVER AT SNODGRASS SLOUGH
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	13.09 12.76	13.79 12.98	6.96 6.35	7.79 7.50	6.85 6.12	7.26	4.97 4.47	5.37 5.10	5.05 5.36	5.73 7.30	7.53 6.45	5.46 5.40	01
02	12.85A 11.32A		6.90 6.25	7.47	7.81 6.95	6.63 6.04	4.76 4.60	5.22	5.03 5.54	5.93	7.44 6.56	5.41 5.78	02
03	10.82 9.91	10.93	7.50 7.24	6.74 6.44	7.66 6.59	6.26 5.98	6.84 5.34	4.64 4.84	7.46 6.15	5.04 6.69	7.60 6.77	5.52 5.79	03
04	10.20 9.88	9.43 8.43	7.73 7.12	6.85 6.38	7.73 6.76	6.19 6.37	7.07 5.54	4.63 5.11	7.81 6.53	4.28 6.83	7.66 7.01	5.44 6.84	04
05	9.52 9.31	8.92 8.36	7.64 7.05	6.71 6.49	8.38 7.32	6.58 6.83	7.17 5.68	4.59 4.15	7.16 6.49	5.35 6.06	7.70 7.22	5.75	05
06	9.22 9.17	8.55 8.35	7.67 7.26	6.77 6.75	8.56 7.64	6.79 7.15	7.41 6.01	4.64 5.44	7.97 6.72	5.37 6.54	5.81 5.85	7.43 7.59	06
07	9.29 9.23	8.53 8.16	7.91 7.35	6.75	8.66 7.73	6.85 7.28	7.64 6.24	4.81 5.50	7.61 6.37	5.03	5.96 5.89	7.51 7.85	07
08	9.28 9.06	8.16	8.03 7.40	6.66 6.85	8.87 7.85	7.00 7.45	7.65 6.28	4.87 5.44	5.22 4.97	7.32 6.61	6.03 5.96	7.45 7.91	08
09	9.10 8.86	8.06 8.02	8.22 7.46	6.66 6.90	8.89 7.90	7.05 7.50	7.70 6.40	4.87 5.44	5.29 5.09	7.27 6.95	5.82 5.71	7.00 7.91	09
10	9.04 8.85	7.92	8.26 7.54	6.69	8.98 8.18	7.15	5.35 4.78	7.53 6.44	5.38 5.17	7.12 7.26	5.88 5.97	7.07 7.91	10
11	8.04 7.48	8.09 8.13	8.27 7.42	6.69	7.69 7.32	9.25 8.31	5.28 4.70	7.35 6.57	5.57 5.35	7.11 7.52	5.85 6.12	6.97 7.97	11
12	7.34 6.81	8.19 7.66	7.81 6.72	6.25 7.58	7.67 6.92	9.01 7.93	5.28 4.74	7.09 6.80	5.61 5.34	6.76 7.63	5.89 6.25	7.59 7.98	12
13	6.99 6.62	8.29 7.73	7.17 6.46	6.44 6.12	7.23 6.54	8.41 8.08	5.31 4.92	6.91 7.24	5.50 5.31	6.43 7.58	5.87 6.27	6.97 7.74	13
14	7.16 6.67	8.51 7.44	7.77 7.38	6.44 6.23	7.27 6.47	8.36 8.15	5.62 5.30	6.96 7.64	5.35 5.42	6.28 7.58	5.71 6.14	6.95 7.95	14
15	6.97 6.40	8.14 7.34	7.79 7.23	6.75 6.21	7.07 6.31	7.98 8.08	5.58 5.05	6.43 7.28	5.27 5.62	6.31	7.64 6.91	5.70 6.00	15
16	6.91 6.45	8.05 7.62	7.74 7.23	6.56 6.27	6.64 6.01	7.37 7.97	5.21 5.05	6.02 7.47	7.72 6.41	5.29 6.69	7.42 6.86	5.58 6.81	16
17	7.07 6.45	8.01 7.41	7.72 7.15	6.36	6.32 6.21	7.12	5.27 4.60	6.28 5.40	7.02 6.67	5.19 5.80	7.32 6.98	5.56 5.82	17
18	6.94 6.08	7.63	8.19 7.18	7.54 7.23	6.06 5.97	6.04 5.97	7.84 6.45	5.47 5.81	7.50 6.47	5.15 6.57	7.37 7.13	6.49 5.88	18
19	7.13 7.25	6.56 5.75	8.55 7.16	7.61 7.39	8.10 6.67	5.91 5.81	7.87 6.44	5.39 5.85	7.41 6.48	5.17 5.53	7.38 7.12	5.71 6.98	19
20	6.99 7.03	6.24 5.74	8.82 7.63	7.33 6.97	7.94 6.61	5.54 4.94	7.88 6.61	5.37 4.90	7.27 6.65	5.22 5.64	5.66 5.48	7.02 6.98	20
21	7.25 7.29	6.20 6.01	8.44 7.87	7.32 7.30	8.06 6.54	5.43 5.82	7.84 5.98	5.34 5.78	7.37 6.93	4.44 5.44	5.50 5.49	6.92 7.01	21
22	7.76 7.38	6.33 6.00	8.72 7.86	7.20 7.19	7.92 6.64	5.29 5.89	7.75 6.63	5.20 5.74	5.84 5.53	7.39 6.91	5.36 5.31	6.45 6.90	22
23	7.55 7.03	5.90 5.43	8.70 7.67	6.93 6.97	7.87 6.74	5.28 4.90	7.70 6.74	5.40 5.40	5.74 5.47	7.16 6.97	5.10 5.04	6.20 6.71	23
24	7.64 7.51	5.90 5.36	8.69 7.62	6.54 6.70	7.71 6.45	5.14	7.65 6.77	5.65 5.37	5.66 5.37	6.96 6.92	4.85 5.63	5.99 6.75	24
25	8.11 7.37	6.16 5.36	8.28 7.16	6.07	5.51 6.64	7.21 6.24	5.71 5.20	7.33 6.83	5.58 5.42	6.78 7.19	4.84 5.29	5.67 6.89	25
26	8.02 7.29	6.20 5.74	8.43 7.64	8.16 7.33	5.34 6.67	6.99 6.42	5.72 4.25	7.21 6.99	5.72 5.75	6.90 7.45	4.92 5.43	6.10 7.05	26
27	8.60 8.17	8.24 7.66	8.57 7.45	8.14 7.16	5.50 6.65	6.86 6.44	5.80 5.47	7.07 7.31	5.74 5.43	6.44 7.18	5.04 5.67	6.21 7.15	27
28	8.86 8.44	8.21 7.62	8.45 7.72	7.74 7.09	5.43 6.44	6.44	5.99 5.37	6.84 7.34	5.39 5.32	6.01 7.07	5.06 5.58	6.21 6.94	28
29	8.89 8.44	8.14 7.55	8.44 7.77	7.61 7.31	5.31 4.51	6.14 6.57	5.74 5.29	6.47 7.16	5.22 5.45	5.89 7.10	4.90 5.47	6.28 6.94	29
30	7.03 6.42	8.09 7.48	8.71 7.61	7.61 6.81	5.16 4.50	5.74 6.71	5.63 5.04	5.87 7.01	5.19 5.13	6.74 7.37	4.98 5.43	6.47	30
31			8.42 8.22	7.44 7.72			5.13 4.09	5.57 7.10	5.30 5.93	6.29			31
MAXIMUM	13.79A		9.04		9.25		7.88		7.47		7.48		MAXIMUM
MINIMUM	5.74A		5.72		4.44		4.47		4.97		4.84		MINIMUM

A - HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN.

MAXIMUM GAGE HEIGHT OF RECORD: 20.57 - 12-25-64

ZERO OF GAGE: 1939 -3.64 USGS
1964 -3.40 USGS
1964 TO DATE -3.00 USGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

R01650 SACRAMENTO RIVER AT WALNUT GROVE
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	3.26 3.79	1.30	0.85 1.58	2.88 4.08	1.62 2.45	3.22 4.70	0.69 1.35	2.90 3.50	1.40 1.61	4.20 3.53	2.67 2.55	4.49 4.12	01
02	1.43 1.68	3.36 4.20	0.92 1.80	2.96 4.19	1.70 2.60	3.45 4.58	0.70 1.14	3.06 2.88	1.71 1.82	4.49 3.11	2.50 2.11	4.62 3.46	02
03	1.50 1.74	3.41 4.09	0.93 1.76	2.89 4.00	1.83 3.26	3.72 5.29	0.44 0.81	2.99 2.31	2.08 3.33	5.08	2.22 1.25	4.29 2.72	03
04	1.30 1.72	3.22 4.15	0.80 1.71	2.82 3.84	2.91 3.50	4.74 4.92	0.37 0.74	3.39 1.98	4.70 5.94	4.21 3.69	1.89 1.40	4.07 3.05	04
05	1.24 1.80	3.17 4.11	0.73 1.68	2.91 1.59	2.66 3.28	4.52 4.37	0.43 0.57	3.38 1.94	4.60 5.43	3.88 3.19	2.20 1.46	4.11	05
06	1.15 1.67	2.93 3.99	0.59 1.47	2.94 3.14	2.88 3.32	4.79 4.18	0.84 0.91	3.97 1.99	4.17 4.98	3.44 2.78	3.15 4.11	2.44 1.42	06
07	1.02 2.11	2.94 4.21	0.43 1.52	3.25 3.19	2.89 2.95	4.80 4.80	2.42 4.08	1.34 0.91	4.12 5.01	3.35 2.61	3.23 5.08	2.49 2.52	07
08	1.26 2.19	3.16 3.95	0.52 0.95	3.07 2.70	3.90 4.58	2.71 2.51	2.87 4.72	2.06 1.59	4.11 5.02	3.19 2.84	4.19 4.67	3.04 2.66	08
09	1.13 2.04	3.25 3.47	0.47 0.75	3.28 3.28	3.58 4.65	2.61 2.39	2.98 4.01	1.89 1.13	4.86 5.82	3.86 4.13	4.52 5.36	3.66 3.75	09
10	1.07 1.76	3.31	2.55 3.38	0.57 0.60	3.68 4.82	2.77 2.34	2.68 4.03	1.92	5.73 6.14	4.69	5.27 5.57	4.18 4.10	10
11	3.70 3.27	1.06 1.37	2.50 3.53	0.72 0.61	3.66 4.76	2.76 2.09	1.34 1.77	2.60 3.94	4.51 4.82	5.66 6.09	5.59 5.98	4.60 4.92	11
12	3.46 3.38	0.95 1.20	2.58 3.78	0.97 0.71	3.51 4.69	2.63	0.97 1.46	2.52 3.45	4.71 4.99	5.85 6.31	6.14 6.37	5.33 5.54	12
13	3.37 3.60	1.08 1.12	2.76 4.05	1.30	1.91 2.43	3.39 4.38	0.58 1.21	2.33 3.33	5.25 6.01	6.70 7.01	6.60 6.80	5.78	13
14	3.30 3.79	1.16 1.05	0.86 1.53	2.89 4.25	1.61 2.30	3.16 4.28	0.51 1.21	2.49 3.19	6.56 7.24	7.60 7.72	5.96 5.88	6.75 5.59	14
15	3.16 3.79	1.17	1.10 1.85	3.11 4.29	1.52 2.20	3.11 3.99	0.46 1.17	2.61 2.99	7.20 7.20	7.81 7.62	5.81 5.57	6.71 6.37	15
16	0.89 1.27	3.05 3.97	1.11 1.44	3.01 4.11	1.33 1.67	2.99 3.39	0.41 1.07	2.73 2.65	7.18 7.24	7.96 7.47	5.64 5.24	6.70 5.88	16
17	0.93 1.43	3.05 4.02	1.07 1.90	2.96 3.76	0.74 1.63	2.74 3.33	0.31 0.81	2.63 2.06	7.11 6.97	7.73 7.18	5.15 4.83	6.18 5.49	17
18	0.89 1.55	2.99 4.06	0.92 2.03	3.05 3.58	0.74 1.63	2.90 2.77	0.15 0.65	2.59 1.76	6.84 6.59	7.44 6.77	4.85 4.48	5.99 5.19	18
19	1.00 1.89	3.19 4.14	0.88 1.85	2.83 3.00	0.53 1.43	2.81 2.24	0.25 0.37	2.67 1.26	6.51 6.11	7.20 6.37	4.74 4.39	5.89 5.20	19
20	1.14 2.07	3.25 3.92	0.71 1.96	3.00 3.01	0.40 1.12	2.73 1.76	0.30 0.39	2.88 1.57	6.06 5.21	6.72 4.44	4.79 4.44	5.75	20
21	0.90 1.85	2.87 3.38	1.18 2.75	4.18 3.06	0.36 1.15	2.97 1.72	0.84 0.40	3.31	5.55 5.98	5.18 4.48	5.40 6.01	5.11 5.34	21
22	0.77 2.06	3.38 3.45	1.30 1.62	3.39 2.26	0.53 0.66	2.94 1.46	1.73 3.47	1.11 0.31	5.09 5.76	4.61 4.12	6.56 7.25	6.35 6.68	22
23	1.01 1.78	3.14 2.85	1.08 1.33	3.18	0.55 0.33	2.86	1.89 3.77	1.42 0.42	5.04 5.64	4.25 3.82	7.52 7.86	7.20 7.04	23
24	0.80 1.51	3.08 2.83	2.15 3.30	1.16 1.44	1.41 3.26	0.74 0.38	2.17 3.93	1.33 0.49	4.94 5.52	3.89 3.55	7.86 8.12	7.26 7.22	24
25	0.92 1.40	3.25 4.14	2.69 3.71	1.63 1.35	1.82 3.71	1.05 0.56	2.43 4.11	1.35 0.68	4.93 5.38	3.63	8.40 8.59	7.67 7.68	25
26	3.00 3.53	1.06 1.27	2.56 3.97	1.72 1.42	2.31 4.13	1.46 0.74	2.69 4.15	1.48	3.35 3.29	4.89 4.99	8.45 8.54	7.82 7.71	26
27	3.02 3.62	1.08 1.16	2.79 4.14	1.93 1.45	2.71 4.91	1.90	0.66 1.08	2.53 3.76	3.82 2.95	4.70 4.60	8.62 8.37	7.68 7.52	27
28	3.47 4.02	1.79 1.68	2.93 4.41	2.16	1.42 1.78	3.07 4.35	0.53 1.03	2.74 3.94	2.77 2.69	4.74 4.28	8.43 8.10	7.40 7.37	28
29	3.15 3.92	1.37 1.04	1.53 2.18	2.99 4.40	0.96 1.64	2.78 4.34	0.61 0.89	2.88 3.49			8.48 7.99	7.27	29
30	2.99 3.93	1.37	1.54 2.36	3.13 4.61	1.16 1.85	2.92 4.17	0.55 0.98	3.22 3.37			7.23 7.03	8.33 7.78	30
31	0.90 1.48	2.84 4.01			0.99 1.21	2.46 3.43	0.65 1.27	3.46 3.75			7.12 6.87	8.12 7.39	31
MAXIMUM	4.62		4.61		5.29		4.72		7.96		8.62		MAXIMUM
MINIMUM	0.77		0.43		0.33		0.15		1.40		1.25		MINIMUM

LOCATION: LAT. 38 14 22, LONG. 121 30 57, SW SEC 35, T5N, R4E,
AT HEAD OF GEORGIANA SLOUGH IMMEDIATELY SOUTHWEST OF
WALNUT GROVE. AT TIMES TIDAL FLUCTUATION IS INFLUENCED
BY OPERATION OF THE DELTA CROSS CHANNEL GATES.

PERIOD OF RECORD: FEB. 1929 TO DATE

TABLE 8-12 (CONTINUED)
DAILY TIDES
R01550 SACRAMENTO RIVER AT WALNUT GROVE
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	6.83 6.20	7.42 6.60	2.46 1.44	3.74 3.36	2.64 1.64	3.32 4.10	1.18 0.73	1.92 3.51	0.91 1.57	2.17 4.01	1.01 1.70	2.78	01
02	6.02 5.12	6.43 5.67	2.38 1.29	3.29 3.37	2.36 1.60	2.97 3.97	0.92 0.91	1.82 3.61	0.85 1.76	2.42 3.15	4.02 2.93	0.96 1.63	02
03	5.07 4.19	5.63 4.19	2.14 1.52	2.96	1.83 1.58	2.53	0.76 1.28	1.97	4.16 2.71	0.83 1.92	4.15 3.16	1.05 1.53	03
04	5.20 5.08	4.44 3.56	3.57 2.64	2.07 1.31	4.07 2.74	1.69 2.08	3.66 2.27	0.71 1.53	4.52 3.15	1.12 2.02	4.17 3.39	1.18 1.53	04
05	4.92 4.74	4.00 3.27	3.37 2.49	1.76 1.44	4.77 3.39	2.12 2.51	4.01 2.42	0.64 1.55	4.85 3.28	1.15 1.96	4.21 3.70	1.34 1.59	05
06	4.75 4.61	3.60 3.21	3.34 2.88	1.66 1.70	4.87 3.58	2.17 2.71	4.25 2.75	0.73 1.87	4.65 3.33	1.16 1.69	4.09 4.09	1.51	06
07	4.90 4.69	3.54 3.30	3.63 2.86	1.64 1.65	4.81 3.53	1.95 2.73	4.46 2.97	0.89 1.86	4.29 2.95	0.78 1.19	1.67 1.61	4.02 4.37	07
08	4.85 4.59	3.37 3.17	3.84 3.03	1.63 2.06	4.99 3.54	1.93 2.78	4.47 3.02	0.82 1.80	3.99 3.22	0.74	1.72 1.74	3.90 4.50	08
09	4.74 4.48	3.12 3.17	4.18 3.14	1.65 2.14	4.92 3.57	1.92 2.83	4.52 3.15	0.91 1.67	1.24 0.91	3.92 3.50	1.56 1.56	3.49 4.51	09
10	4.78 4.50	2.98 3.19	4.20 3.17	1.63 2.18	5.03 3.95	2.05 3.10	4.35 3.19	0.84	1.30 1.03	3.77 3.90	1.63 1.85	3.52 4.41	10
11	4.87 3.65	2.06 2.49	4.13 2.97	1.68 2.16	5.37 4.13	2.25	1.60 0.78	4.16 3.33	1.49 1.31	3.74 4.21	1.55 2.07	3.41 4.56	11
12	4.21 3.42	1.84 2.34	4.11 3.13	1.45	3.11 1.95	5.11 3.82	1.53 0.78	3.87 3.54	1.57 1.36	3.36 4.31	1.59 2.23	3.35 4.52	12
13	4.33 3.60	1.81	2.39 1.69	4.38 3.71	2.70 1.66	4.56 4.17	1.47 0.91	3.63 3.94	1.44 1.38	3.01 4.28	1.56 2.27	3.40 4.32	13
14	2.69 1.90	4.62 3.54	3.10 2.16	4.88 3.77	2.92 1.87	4.61 4.45	1.70 1.27	3.61 4.30	1.25 1.56	2.82 4.29	1.40 2.69	3.41	14
15	2.52 1.54	4.21 3.18	2.97 1.91	4.47 3.72	2.83 1.84	4.25 4.42	1.57 1.00	2.97 3.95	1.14 1.81	2.90 4.42	4.18 3.35	1.33 1.90	15
16	2.46 1.57	4.08 3.17	2.91 1.90	4.22 3.61	2.32 1.58	3.58 4.39	1.10 1.05	2.49 4.15	1.16 1.89	3.02	3.94 3.33	1.24 1.66	16
17	2.57 1.61	3.96 3.32	2.82 1.72	3.90 3.73	2.00 1.90	3.32 4.51	1.11 1.69	2.77	4.35 3.29	1.08 1.94	3.84 3.49	1.26 1.66	17
18	2.54 1.29	3.59 3.08	2.57 1.98	3.70 4.24	1.66 1.78	2.93	4.47 2.90	1.22 1.88	4.19 3.05	0.96 1.63	3.90 3.64	1.46 1.72	18
19	2.18 1.00	3.25	2.63 2.37	3.70	4.66 2.98	1.63 1.64	4.49 2.99	1.14 1.94	4.08 3.03	0.93 1.53	3.88 3.84	1.48 1.50	19
20	3.02 3.09	1.82 1.67	4.68 2.99	2.28 1.67	4.54 3.05	1.24 1.99	4.53 3.10	1.14 1.97	3.90 3.18	0.93 1.57	3.51 3.52	1.26	20
21	3.47 3.49	1.76 1.43	4.10 3.18	1.95 2.11	4.69 3.11	1.21 1.93	4.47 3.11	1.10 1.84	3.98 3.44	1.15 1.72	1.29 1.34	3.45 3.60	21
22	3.97 3.59	1.87 1.48	4.44 3.24	1.98 2.23	4.62 3.23	1.11 2.04	4.40 3.17	1.05 1.84	3.95 3.43	1.22	1.20 1.25	3.22 3.53	22
23	3.89 3.27	1.40 1.39	4.64 3.36	1.90 2.25	4.57 3.34	1.16 2.07	4.36 3.27	1.12 1.85	1.58 1.17	3.69 3.48	0.96 1.03	2.76 3.37	23
24	4.07 3.79	1.38 2.01	4.73 3.36	1.70 2.28	4.42 3.09	1.08	4.28 3.32	1.11	1.49 1.12	3.47 3.45	0.71 1.09	2.57 3.44	24
25	4.53 3.58	1.59 1.91	4.63 3.33	1.44 2.19	1.73 0.57	3.05 2.93	1.74 0.99	3.97 3.41	1.40 1.27	3.29 1.67	0.72 1.34	2.54 3.59	25
26	4.33 3.25	1.42 1.99	4.60 3.62	1.45	1.59 0.54	3.72 3.10	1.77 1.11	3.84 3.66	1.58 1.64	3.38 4.01	0.84 1.85	2.72 3.76	26
27	4.41 3.21	1.50	2.44 1.38	4.62 3.49	1.72 0.59	3.57 3.14	1.83 1.38	3.67 3.92	1.56 1.33	2.80 3.75	0.98 1.97	2.83 3.84	27
28	2.18 1.42	4.25 3.22	2.31 1.17	4.19 3.37	1.63 0.47	3.14 3.18	1.98 1.35	3.45 4.01	1.17 1.27	2.33 3.65	0.94 1.85	2.84 3.67	28
29	2.29 1.46	4.18 3.32	2.30 1.17	3.93 3.57	1.58 0.59	2.84 3.30	1.74 1.28	2.94 3.84	0.95 1.45	2.16 3.67	0.92 1.69	2.95 3.70	29
30	2.48 1.46	4.05 3.34	2.56 1.33	3.90 3.90	1.39 0.67	2.38 3.47	1.39 1.08	2.27 3.69	0.87 1.82	2.35 3.94	0.91 1.58	3.15	30
31			2.71 1.50	3.62 4.01			1.05 1.22	1.94 3.79	0.91 1.96	2.42 4.05			31
MAXIMUM	7.42		4.88		5.37		4.53		4.65		4.56		MAXIMUM
MINIMUM	1.00		1.17		0.47		0.64		0.74		0.71		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 12.24 - 12-25-64

ZERO OF GAGE: 1929 TO 1931 0.00 USED
1931 TO 1940 0.33 USED
1940 0.00 USCGS
1964 -0.69 USCGS
1964 TO DATE 0.00 USCGS

TABLE B-12 (CONTINUED)

DAILY TIDES

891560 YOLO BYPASS NEAR LISBON
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	4.40 4.48	7.80 6.82	01
02	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	4.23 3.79	7.56 6.10	02
03	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	3.73 3.28	7.06 5.78	03
04	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	3.96 3.53	7.14 6.11	04
05	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	4.35 3.47	7.16	05
06	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	6.17 7.27	4.63 3.48	06
07	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	6.37 8.00	4.80 4.45	07
08	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	5.21A	8.49A	08
09	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	8.52A	9.66A	09
10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	9.36A	9.96A	10
11	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	9.66A	10.09A	11
12	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	10.07 10.11	9.87	12
13	NR	NR	NR	NR	NR	NR	NR	NR	10.04A	10.47A	9.93A	10.36A	13
14	NR	NR	NR	NR	NR	NR	NR	NR	10.47A	11.18A	10.30A	10.51A	14
15	NR	NR	NR	NR	NR	NR	NR	NR	11.20A	12.59A	10.47A	10.57A	15
16	NR	NR	NR	NR	NR	NR	NR	NR	12.70A	13.76A	10.63A	10.49A	16
17	NR	NR	NR	NR	NR	NR	NR	NR	13.76A	13.92A	10.49A	10.16A	17
18	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	10.15A	9.66A	18
19	NR	NR	NR	NR	NR	NR	NR	NR	13.26A	12.49A	9.54A	9.95A	19
20	NR	NR	NR	NR	NR	NR	NR	NR	12.48A	11.89A	9.96A	10.69A	20
21	NR	NR	NR	NR	NR	NR	NR	NR	11.89A	11.26A	10.69A	11.32A	21
22	NR	NR	NR	NR	NR	NR	NR	NR	11.26A	10.17A	11.34A	12.37A	22
23	NR	NR	NR	NR	4.06A	4.55A	NR	NR	10.14A	7.48A	12.39A	14.53A	23
24	NR	NR	NR	NR	3.93A	5.07A	NR	NR	7.35 6.09	7.75 8.00	14.54A	15.37A	24
25	NR	NR	NR	NR	4.37A	5.50A	NR	NR	5.90 5.62	7.20 7.76	15.36A	15.76A	25
26	NR	NR	NR	NR	4.78A	5.88A	NR	NR	5.17 4.94	7.20 7.43	15.57A	15.70A	26
27	NR	NR	NR	NR	5.16A	6.95A	NR	NR	4.60 4.47	7.11 7.12	15.70A	15.41A	27
28	NR	NR	NR	NR	5.46A	5.75A	NR	NR	4.41 4.40	7.39 6.90	15.40A	15.09A	28
29	NR	NR	NR	NR	5.16A	6.18A	NR	NR			15.09A	14.58A	29
30	NR	NR	NR	NR	NR	NR	NR	NR			14.57A	13.95A	30
31	NR	NR			NR	NR	NR	NR			13.94A	13.01A	31
MAXIMUM	NR		NR		NR		NR		NR		15.76A		MAXIMUM
MINIMUM	NR		NR		NR		NR		NR		3.28A		MINIMUM

NR - NO RECORD

A - HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

LOCATION: LAT. 38 28 30, LONG. 121 35 14, SE SEC. 1, T7N, R1E,
IN WEST CUT, 6.9 MILES SOUTH OF INTERSTATE 80, 5.2 MILES
NORTHWEST OF CLARKSBURG.

PERIOD OF RECORD: FEB 1959 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIDES

801500 TOLO BYPASS NEAR LISBON
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	13.00A	12.34A	4.14 2.79	6.35 6.05	6.21 5.76	4.88 3.68	NR	NR	NR	NR	NR	NR	01
02	12.33A	12.00A	4.22 2.63	6.04	6.35 5.37	4.58 3.67	NR	NR	NR	NR	NR	NR	02
03	11.98A	11.70A	5.99 5.57	3.78 2.79	6.12 4.68	3.84 3.34	NR	NR	NR	NR	NR	NR	03
04	11.73A	11.55A	5.00 5.00	3.38 2.41	6.13 4.99	3.53 4.10	NR	NR	NR	NR	NR	NR	04
05	11.55A	11.44A	5.73 4.76	2.86 2.45	6.91 5.80	4.31 4.74	NR	NR	NR	NR	NR	NR	05
06	11.47A	11.38A	5.75 5.02	2.65 2.81	7.12 5.90	4.58 4.98	NR	NR	NR	NR	NR	NR	06
07	11.38A	11.23A	6.08 5.25	2.66 3.04	7.02 5.91	4.00 4.79	NR	NR	NR	NR	NR	NR	07
08	11.23A	11.19A	6.29 5.56	2.71 1.54	7.21 5.71	3.87 4.70	NR	NR	NR	NR	NR	NR	08
09	11.16A	11.20A	6.63 5.98	2.77 3.50	7.04 5.71	3.66	NR	NR	NR	NR	NR	NR	09
10	11.19A	11.10A	6.53 5.55	2.66 1.48	4.67 4.10	7.07 6.04	NR	NR	NR	NR	NR	NR	10
11	11.10A	10.91A	6.44 5.28	2.40	5.16 4.76	7.40 6.27	NR	NR	NR	NR	NR	NR	11
12	10.90A	10.09A	3.46 2.40	6.40 5.59	5.24 4.44	7.13 5.87	NR	NR	NR	NR	NR	NR	12
13	10.07A	8.14A	3.87 1.16	6.94 6.00	4.90 4.21	6.55 6.04	NR	NR	NR	NR	NR	NR	13
14	7.80 6.50	8.58 7.40	5.23 4.03	7.81 6.70	5.23 4.92	6.68 6.50	NR	NR	NR	NR	NR	NR	14
15	6.30 5.54	7.08 6.79	5.00 3.53	7.37 6.61	5.27 4.45	6.50	NR	NR	NR	NR	NR	NR	15
16	5.83 4.74	7.33 6.44	4.83 3.66	7.12 6.80	5.54 5.93	5.30 4.61	NR	NR	NR	NR	NR	NR	16
17	5.29 4.22	7.00 6.51	4.90 3.76	6.75 6.78	6.39 5.52	4.76 4.50	NR	NR	NR	NR	NR	NR	17
18	5.08 4.26	6.81	5.00 4.26	6.61	6.60 5.17	4.13 4.26	NR	NR	NR	NR	NR	NR	18
19	6.62 6.92	5.76 6.56	7.35 6.05	5.08 4.57	6.95 5.40	4.24 4.15	NR	NR	NR	NR	NR	NR	19
20	7.04 7.05	6.20 6.71	7.47 5.45	4.38 4.26	6.80 5.44	3.95 4.51	NR	NR	NR	NR	NR	NR	20
21	7.19 6.91	5.34 6.34	7.30 6.41	5.17 4.42	6.76 5.35	4.22 4.61	NR	NR	NR	NR	NR	NR	21
22	7.30 6.80	4.43 3.69	7.71 6.58	5.26 5.19	6.80 5.41	4.40 4.89	NR	NR	NR	NR	NR	NR	22
23	6.99 6.32	7.42 7.35	7.68 6.28	4.50 4.50	6.55 5.66	4.82	NR	NR	NR	NR	NR	NR	23
24	7.00 6.95	3.34 6.14	7.45 5.90	3.41 4.16	5.14 4.90	6.40 5.25	NR	NR	NR	NR	NR	NR	24
25	7.49 6.42	3.40	6.80 5.44	2.66	4.76 4.27	5.85 4.91	NR	NR	NR	NR	NR	NR	25
26	3.87 2.72	6.98 6.00	4.00 3.13	6.63 5.81	4.48 4.28	5.65 5.03	NR	NR	NR	NR	NR	NR	26
27	3.55 2.70	6.99 6.91	4.50 2.96	6.71 5.62	4.58 3.86	5.51 5.02	NR	NR	NR	NR	NR	NR	27
28	3.66 2.42	6.74 5.84	4.24 2.63	6.15 5.34	4.51 3.95	5.20 5.02	NR	NR	NR	NR	NR	NR	28
29	3.81 2.95	6.75 5.95	4.31 2.67	6.05 5.82	4.46 3.91	4.98	NR	NR	NR	NR	NR	NR	29
30	4.08 2.56	6.66 6.89	4.62 3.23	6.09 6.90	5.15 4.76	4.48 3.92	NR	NR	NR	NR	NR	NR	30
31			4.40 3.34	5.96			NR	NR	NR	NR			31
MAXIMUM	13.00A		7.81		7.40		NR		NR		NR		MAXIMUM
MINIMUM	2.42A		2.40		3.34		NR		NR		NR		MINIMUM

NR - NO RECORD

A - HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

MAXIMUM GAGE HEIGHT OF RECORD:

 ZERO OF GAGE: 1959 TO 1962 0.41 USCG
 1962 0.00 USCG
 1962 -1.04 USCG
 1964 -1.39 USCG
 1964 TO DATE -3.00 USCG

TABLE 8-12 (CONTINUED)

DAILY TIDES

891210 SACRAMENTO RIVER AT RIO VISTA
(OCTOBER 1, 1974; THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	6.14 6.71	2.92 2.69	5.75 7.08	3.66 2.14	2.17 4.09	5.90 7.52	1.45 3.00	5.72 6.41	3.23 3.40	7.24 6.40	7.29 6.36	2.85	01
02	6.26 7.06	3.42 2.95	5.85 7.14	3.93	2.28 4.20	6.17 7.37	1.75 2.83	5.94 5.77	3.72 3.20	7.42 5.84	3.16 2.49	7.13 5.64	02
03	6.28 7.02	3.56 2.68	5.82 3.87	5.74 6.94	2.42 4.39	6.41 7.50	1.64 2.44	5.93 5.16	3.33 2.94	7.22 5.94	3.10 2.16	6.82 5.42	03
04	6.07 7.08	3.65	2.65 3.89	5.68 6.75	3.02 4.38	6.90 7.14	1.85 2.33	6.36 4.80	4.43 2.88	7.07 5.67	3.72 2.42	6.90 5.78	04
05	2.57 3.85	5.92 7.04	2.10 3.96	5.80 6.50	2.54 3.68	6.54 6.95	2.14 2.68	6.35 4.75	3.95 2.30	7.11	4.17 2.56	6.93 5.69	05
06	2.47 4.02	5.76 6.92	2.03 3.73	5.82 6.02	2.19 3.69	6.50 5.47	2.87 2.37	6.96	5.47 6.89	3.87 2.26	4.53 2.52	6.90	06
07	2.30 4.35	5.80 7.11	1.99 3.69	6.20 6.08	2.32 2.78	6.69 5.41	5.26 7.06	3.48 2.26	5.83 7.21	4.05 2.46	6.01 7.57	4.45 3.43	07
08	2.62 4.36	5.96 6.82	2.10 2.86	6.04 5.60	2.69 2.28	6.66 5.21	5.66 7.52	4.23 2.59	6.69 7.31	4.05 2.75	6.61 7.08	4.33 2.67	08
09	2.42 4.14	6.04 6.71	2.19 2.59	6.28 5.49	3.02 2.20	6.86	5.71 6.85	3.66 1.81	6.77 7.65	4.29 3.66	6.38 7.00	3.90 2.77	09
10	2.36 3.69	6.15 6.59	2.32 2.14	6.37	5.50 7.14	3.41 2.20	5.40 6.84	3.59 1.72	7.02 7.39	4.23 2.86	6.56 6.91	3.74 2.93	10
11	2.36 3.04	6.23	5.39 6.51	2.54 2.00	5.80 7.20	3.59 2.09	5.28 6.78	3.44 1.70	6.37 7.00	3.73 2.70	6.75 6.85	3.55 3.00	11
12	6.37 6.30	2.21 2.72	5.44 6.75	2.89 2.60	5.82 7.26	3.72 2.14	5.26 6.29	3.19 1.41	6.45 7.49	3.72 3.21	6.85 6.69	3.28 3.03	12
13	6.28 6.55	2.46 2.50	5.64 7.04	3.28 2.10	5.87 6.96	3.62 1.80	5.10 6.23	3.07 1.55	7.15 6.37	4.12 3.39	6.81 6.84	3.38 3.20	13
14	6.22 6.76	2.68 2.34	5.77 7.22	3.58	5.49 6.88	3.59 1.78	5.33 1.67	3.17 1.67	6.97 6.30	3.70	6.59 6.35	2.94 3.26	14
15	6.08 6.77	2.79 2.12	2.32 3.89	5.95 7.20	5.48 6.61	3.60 1.69	5.50 5.89	3.17	3.67 3.46	6.47 5.88	6.78 6.30	2.88 4.07	15
16	5.97 6.95	3.05 2.15	2.20 3.96	5.79 7.00	5.41 6.21	3.59	1.77 3.10	5.65 5.53	3.36 3.27	6.80 5.16	7.28 5.96	3.01 3.61	16
17	5.95 7.00	3.33	2.13 3.90	5.73 6.61	1.73 3.60	5.51 6.14	1.86 2.81	5.56 4.91	3.29 3.28	6.37 4.92	6.73 5.72	2.67	17
18	2.10 3.57	5.88 7.63	2.00 4.16	5.85 6.39	1.81 3.67	5.70 5.57	1.83 2.66	5.53 4.80	3.55 2.89	6.37 4.72	3.95 2.70	6.85 5.54	18
19	2.33 4.67	6.09 7.10	2.01 3.94	5.63 5.80	1.72 3.47	5.65 5.04	2.19 2.29	5.41 4.69	3.89 2.89	6.68 5.30	4.21 2.93	6.87 5.62	19
20	2.59 4.31	6.13 6.85	1.91 4.10	5.71 5.79	1.79 3.12	5.60 4.52	2.52 2.19	5.84 4.39	4.37 2.31	6.80 5.04	4.49 2.50	6.58 5.62	20
21	2.30 4.21	5.79 6.25	2.70 4.82	7.08 5.74	2.02 3.18	5.86 4.47	3.18 2.01	6.26 4.55	3.95 1.79	6.41	4.42 3.46	6.59 6.69	21
22	2.26 4.43	5.99 6.25	2.71 3.20	6.16 4.87	2.35 2.35	5.86 4.21	3.49 1.73	6.42 1.73	5.08 6.59	3.57 1.73	4.81 2.92	7.17	22
23	2.61 4.00	5.99 5.68	2.44 2.64	5.92	2.60 1.73	5.84 4.19	4.76 6.73	3.61 1.79	5.49 6.82	3.29 1.72	6.51 6.98	4.68 2.60	23
24	2.10 3.55	5.98 5.68	4.71 6.02	2.56 2.63	2.89 1.72	6.18	5.03 6.92	3.61 1.81	5.83 7.07	3.08 2.11	6.69 7.27	3.96 3.16	24
25	2.59 3.36	6.15	5.38 6.56	1.18 2.29	4.43 6.68	3.21 1.84	5.32 7.15	3.55 1.96	6.28 7.19	3.69 2.48	7.66 7.19	4.77 3.38	25
26	5.85 6.44	2.89 3.21	5.19 6.77	3.23 2.27	5.14 7.11	3.65 1.95	5.60 7.25	3.62 1.92	6.56 6.89	2.86 2.32	7.61 7.02	3.33 3.32	26
27	5.92 6.60	3.01 2.98	5.42 6.92	3.44 2.12	5.59 7.95	4.19 2.68	5.53 6.87	3.14 1.83	6.56 6.56	2.58 2.49	7.40 6.91	3.25 3.32	27
28	6.40 7.50	3.91 3.43	5.58 7.20	3.74	5.98 7.27	3.70 1.94	5.68 7.00	2.98 1.94	6.89 6.37	2.58 2.91	7.24 6.44	2.72 3.46	28
29	6.03 6.91	3.31 2.58	2.12 3.72	5.65 7.20	5.62 7.28	3.43 1.82	5.85 6.53	2.77			7.61 6.62	2.91 3.80	29
30	5.90 6.90	3.38 2.26	2.16 3.98	5.80 7.46	5.56 7.06	3.42	1.99 2.87	6.23 6.39			7.72 6.62	2.91 4.35	30
31	5.73 6.98	3.53 2.10			1.59 2.95	5.17 6.28	2.20 3.19	6.54 6.77			7.75 6.23	2.87	31
MAXIMUM	7.50		7.48		7.95		7.52		7.67		7.79		MAXIMUM
MINIMUM	2.10		1.91		1.59		1.40		1.72		2.16		MINIMUM

LOCATION: LAT. 38 08 42, LONG. 121 41 30, SW SEC. 31, T4N, R3E,
ON DOCK AT U. S. ENGINEERS TRANSPORTATION DEPOT,
1.1 MILES BELOW STATE HIGHWAY 12 BRIDGE.

PERIOD OF RECORD: 1925 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

 801210 SACRAMENTO RIVER AT RIO VISTA
 (APRIL 1, 1975 THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.21	6.95	4.20	6.46	4.54	5.99	3.22	4.80	2.67	5.04	2.36	5.60	01
	2.41	5.76	2.12	6.03	2.95	6.67	2.04	6.52	4.06	6.98	3.78	6.97	
02	4.12	6.34	4.09	5.89	4.46	5.56	2.89	4.85	2.48	5.30	2.19	5.00	02
	2.32	5.69	2.00	6.03	3.89	6.02	3.27	6.62	4.27	7.16	3.61		
03	4.24	6.23	3.73	5.48	3.35	5.24	2.56	4.77	2.32	5.60	7.14	2.24	03
	2.59	6.02	2.40	6.27	3.33	6.93	3.74	6.89	4.36		6.03	3.33	
04	4.45	6.18	3.41	5.06	3.01	5.47	2.38	5.13	7.55	2.65	7.17	2.34	04
	2.71		2.17	6.03	4.02	7.01	4.00	7.01	6.03	4.30	6.30	3.19	
05	6.31	4.32	2.84	4.85	3.37	6.05	2.21	5.38	7.70	2.56	7.07	2.61	05
	6.16	2.65	2.42		4.31		4.02		6.15	4.10	6.61	3.13	
06	6.34	3.72	5.98	2.50	7.69	3.22	7.31	2.20	7.60	2.45	7.13	2.91	06
	6.07	2.63	5.04	2.64	6.23	4.48	5.61	4.38	6.17	3.71	7.03	3.21	
07	6.38	3.43	6.31	2.34	7.64	2.71	7.51	2.35	7.33	1.95	6.99	3.10	07
	6.16	2.77	5.35	2.96	6.19	4.43	5.91	4.22	5.91	3.06	7.32	3.25	
08	6.52	3.09	6.57	2.28	7.80	2.52	7.57	2.15	7.05	1.99	6.85	3.39	08
	6.18	2.82	5.64	1.32	6.23	4.39	5.89	4.06	6.19	3.09	7.49		
09	6.51	2.85	6.92	2.27	7.71	2.41	7.66	2.30	6.97	2.32	2.91	6.40	09
	6.19	3.22	5.79	3.40	6.27	4.45	6.06	3.87	6.58	3.12	3.33	7.49	
10	6.72	2.63	6.92	2.07	7.85	2.56	7.48	2.22	6.88	2.57	3.11	6.39	10
	6.26	1.31	5.73	3.49	6.61	4.75	4.13	3.78	6.92		3.76	7.47	
11	6.86	2.56	6.85	1.78	8.16	2.94	7.28	2.26	3.32	6.71	2.95	6.25	11
	6.17	3.51	5.53	3.46	6.80	4.70	6.34	3.67	3.85	7.25	4.10	7.55	
12	6.92	2.35	6.88	1.71	7.87	2.52	6.92	2.23	3.35	6.30	3.13	6.17	12
	6.05	3.41	5.74	3.80	6.54	4.31	6.56		3.26	7.33	4.40	7.44	
13	7.10	2.44	7.13	2.05	7.36	2.40	3.49	6.62	3.17	5.91	3.03	6.24	13
	6.27	4.23	4.26	4.58	6.87		2.40	6.95	3.39	7.29	4.44	7.21	
14	7.34	2.59	7.55	2.48	4.63	7.44	3.63	6.56	2.91	5.69	2.81	6.22	14
	6.17	4.07	6.23	4.31	2.84	7.17	2.89	7.30	3.76	7.31	4.19	7.06	
15	6.98	2.11	7.15	2.13	4.37	7.00	3.24	5.83	2.75	5.76	2.75	6.20	15
	5.81	4.12	4.23		2.92	7.26	2.67	6.96	4.11	7.45	3.90	6.88	
16	6.83	2.11	4.25	6.84	3.88	6.37	2.68	5.31	2.73	5.90	2.67	6.20	16
	5.79		2.13	6.36	2.85	7.31	2.98	7.15	4.15		3.55		
17	4.38	6.67	4.15	6.48	3.44	5.95	2.68	5.59	7.31	2.58	6.88	2.74	17
	2.20	5.92	1.95	4.31	3.47	7.43	3.77	7.48	6.12	4.09	6.35	3.46	
18	4.31	6.27	3.83	6.23	2.84	5.69	2.61	5.60	7.18	2.39	6.44	2.99	18
	1.94	5.74	2.47	6.92	3.51	7.55	3.99	7.40	5.96	3.75	6.51	3.52	
19	3.96	5.94	3.60	6.13	2.82	5.73	2.44	5.83	7.06	2.30	6.79	3.04	19
	1.70	5.73	2.77	7.28	3.45		4.10		5.94	3.57	6.61	3.23	
20	3.41	5.85	2.94	5.28	7.45	2.30	7.54	2.42	6.88	2.28	6.45	2.86	20
	1.91		2.10		5.82	4.02	5.94	4.11	6.08	3.51	6.44	2.94	
21	6.25	3.20	6.78	2.26	7.54	2.30	7.48	2.35	6.97	2.57	6.41	3.12	21
	6.21	2.45	5.60	2.92	5.89	4.02	5.97	3.95	6.36	3.65	6.53	2.80	
22	6.78	3.08	7.21	2.27	7.54	2.22	7.44	2.38	6.91	2.63	6.13	3.12	22
	6.26	2.48	5.87	3.23	6.00	4.13	6.07	3.90	6.29	3.42	6.45	2.59	
23	6.73	2.39	7.39	2.25	7.53	2.38	7.37	2.41	6.65	2.68	5.67	2.96	23
	6.03	2.55	6.00	1.45	6.12	4.14	6.16	3.87	6.38	3.28	6.32		
24	6.96	2.28	7.53	2.00	7.35	2.28	7.29	2.41	6.42	2.68	2.27	5.47	24
	6.55	1.40	6.07	3.80	5.43	3.78	6.22	3.80	6.38		3.22	6.43	
25	7.40	2.38	7.53	1.97	6.90	1.70	6.99	2.38	3.19	6.23	2.33	5.44	25
	6.31	3.26	6.09	1.83	5.60	3.71	6.34	3.84	3.06	6.60	3.63	6.57	
26	7.15	1.87	7.50	2.14	6.06	1.78	6.82	2.62	3.46	6.24	2.57	5.63	26
	5.94	3.27	6.35	4.20	5.49		6.54	3.93	3.49	6.86	4.04	6.72	
27	7.19	1.84	7.49	2.12	3.88	6.46	6.62	3.12	3.31	5.63	2.75	5.69	27
	5.85	1.44	6.24	4.15	1.87	6.05	6.88		3.28	6.85	4.44	6.75	
28	7.02	1.66	7.07	1.88	3.77	6.02	4.07	6.37	2.90	5.15	2.67	5.74	28
	5.87	1.74	6.13		1.98	6.11	3.22	6.97	3.47	6.56	4.32	6.62	
29	6.94	1.87	6.74	1.91	3.84	5.72	3.84	5.74	2.59	4.95	2.50	5.87	29
	5.96		4.36		2.29	6.26	3.21	6.81	3.76	6.59	4.05	6.65	
30	4.89	6.40	4.57	6.74	3.56	5.21	3.36	5.15	2.40	5.13	2.94	6.08	30
	1.98	6.02	2.34	6.71	2.84	6.43	3.32	6.67	4.18	6.87	3.73	6.46	
31			4.77	6.43			2.92	4.82	2.33	5.45			31
			2.65	6.75			3.62	6.75	4.29	7.02			
MAXIMUM	7.40		7.55		8.16		7.66		7.70		7.55		MAXIMUM
MINIMUM	1.46		1.71		1.70		2.15		1.95		2.19		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 10.2 - 12-26-55

 ZERO OF GAGE: 1925 0.00 USED
 1961 -0.57 USED
 1961 -1.43 USGS
 1964 -3.80 USGS
 1964 TO DATE -5.00 USGS

TABLE B-12 (CONTINUED)

DAILY TIDES

B91160 THREE MILE SLOUGH AT SACRAMENTO RIVER
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	3.17 3.72	0.08 0.00	2.79 4.11	0.81 -0.70	2.92 4.52	1.21	-1.41 0.15	2.72 3.41	0.33 0.52	4.21 3.41	4.22 3.33	-0.01	01
02	3.25 4.07	0.56 0.10	2.87 4.17	1.08	-0.64 1.33	3.18 4.39	-1.10 -0.02	2.96 2.76	0.88 0.36	4.42 2.85	0.30 -0.38	4.09 2.64	02
03	3.31 4.03	0.72 -0.17	-0.74 1.01	2.77 3.97	-0.47 1.50	3.44 4.56	-1.20 -0.39	2.94 2.19	0.49 0.07	4.22 2.97	0.26 -0.69	3.79 2.43	03
04	3.09 4.10	0.79	-0.84 1.03	2.70 3.78	0.14 1.50	3.91 4.15	-0.98 -0.51	3.36 1.83	1.56 0.00	4.67 2.67	0.88 -0.45	3.91 2.80	04
05	-0.29 1.00	2.96 4.08	-0.78 1.10	2.85 3.54	-0.21 0.79	3.55 3.05	-0.69 -0.75	3.36 1.80	1.09 -0.55	4.11	1.33 -0.30	3.05 2.61	05
06	-0.38 1.18	2.79 3.94	-0.84 0.84	2.87 3.69	-0.71 0.21	3.47 2.48	-0.04 -0.47	3.98	2.48 3.88	1.01 -0.60	1.49 -0.33	3.93	06
07	-0.57 1.50	2.84 4.13	-0.89 0.83	3.23 3.13	-0.55 -0.11	3.66 2.42	2.29 4.07	0.64 -0.59	2.83 4.20	1.20 -0.40	3.02 4.52	1.59 0.54	07
08	-0.24 1.50	2.98 3.84	-0.77 0.02	3.10 2.65	-0.19 -0.60	3.64	2.68 4.52	1.41 -0.26	3.08 4.29	1.20 -0.12	3.61 4.07	1.49 0.00	08
09	-0.43 1.27	3.06 3.72	-0.68 -0.35	3.30 2.52	2.23 3.86	0.17 -0.68	2.75 3.86	0.82 -1.05	3.75 4.60	1.42 0.77	3.35 3.94	1.07 -0.10	09
10	-0.50 0.83	3.18 3.61	-0.52 -0.72	3.41	2.50 4.15	0.56 -0.70	2.41 3.85	0.75 -1.14	3.96 4.36	1.37 -0.03	3.53 3.89	0.89 0.06	10
11	-0.50 0.20	3.24 3.40	2.45 3.55	-0.30 -0.86	2.60 4.19	0.72 -0.81	2.30 3.78	0.60 -1.16	3.35 3.97	0.86 -0.17	3.70 3.84	0.70 0.13	11
12	-0.64 -0.14	3.30	2.50 3.80	0.84 -0.87	2.63 4.24	0.85 -0.75	2.28 3.30	0.35 -1.46	3.43 4.04	0.84 0.32	3.58 3.64	0.41 0.16	12
13	3.30 3.55	-0.39 -0.36	2.68 4.08	0.43 -0.78	2.67 3.95	0.77 -1.09	2.11 3.24	0.24 -1.29	4.13 3.92	1.23 0.49	3.75 3.76	0.52 0.33	13
14	3.23 3.75	-0.17 -0.51	2.80 4.25	0.73 -0.55	2.49 3.87	0.74 -1.12	2.35 3.11	0.33 -1.17	3.93 3.30	0.87	3.57 3.31	0.67 0.38	14
15	3.10 3.78	-0.05 -0.73	2.99 4.23	1.04 -0.67	2.48 3.60	0.74	2.52 2.92	0.34	0.20 0.59	1.46 2.86	3.73 3.26	-0.01 1.16	15
16	2.98 3.96	0.20 -0.71	2.84 4.05	1.11	-1.20 0.73	2.43 3.25	-1.06 0.27	2.67 2.58	0.47 0.42	3.77 2.19	4.27 2.94	0.13 0.75	16
17	2.97 4.01	0.48	-0.76 1.05	2.78 3.65	-1.13 0.81	2.55 3.18	-1.03 0.00	2.58 1.96	0.45 0.36	1.37 1.95	3.71 2.72	-0.23	17
18	-0.76 0.74	2.89 4.05	-0.88 1.32	2.89 3.45	-1.03 0.83	2.73 2.62	-0.99 -0.15	2.56 1.66	0.66 -0.02	3.36 1.75	1.09 -0.19	3.84 2.54	18
19	-0.53 1.21	3.10 4.11	-0.86 1.11	2.66 2.86	-1.12 0.84	2.67 2.10	-0.64 -0.54	2.65 1.17	0.99 -0.92	3.66 2.33	1.35 0.02	3.88 2.85	19
20	-0.27 1.44	3.13 3.86	-0.95 1.25	2.76 2.86	-1.05 0.29	2.63 1.59	-0.30 -0.63	2.88 1.44	1.50 -0.57	1.81 -0.34	1.63 2.83	3.60 2.63	20
21	-0.53 1.37	2.85 3.29	-0.17 1.97	4.05 2.85	-0.81 0.35	2.89 1.55	0.37 -0.82	3.44 1.60	2.07 3.47	1.08 -1.07	1.56 0.55	3.60 3.76	21
22	-0.59 1.56	3.00 3.27	-0.16 0.35	3.18 1.91	-0.46 -0.48	2.92 1.28	0.68 -1.10	3.46	2.04 3.57	0.71 -1.16	1.94 0.07	4.14	22
23	-0.26 1.16	3.01 2.73	-0.41 -0.23	2.96 1.76	-0.20 -1.10	2.94	1.75 3.77	0.78 -1.05	2.46 3.78	0.43 -1.08	3.46 3.93	1.70 -0.31	23
24	-0.54 0.70	2.98 2.71	-0.38 -0.18	3.07	1.26 3.22	0.06 -1.13	2.67 3.95	0.79 -1.04	2.80 4.01	0.23 -0.77	3.63 4.20	0.94 0.20	24
25	-0.26 0.51	3.17 2.88	2.41 3.53	0.30 -0.58	1.67 3.70	0.38 -1.01	2.35 4.17	0.72 -0.68	3.24 4.13	0.23 -0.41	4.56 4.78	1.83 0.44	25
26	0.02 0.35	3.46	2.22 3.78	0.37 -0.62	2.18 4.13	0.81 -0.90	2.62 4.28	0.78 0.99	3.49 3.83	0.70 -0.54	3.98 3.99	0.43 0.36	26
27	2.95 3.62	0.16 0.12	2.45 3.95	0.61 -0.78	2.61 4.97	1.35 -0.17	2.55 3.96	0.35 1.01	3.50 3.50	-0.28 -0.37	4.33 3.85	0.28 0.35	27
28	3.41 4.49	1.02 0.58	2.60 4.24	0.87 -0.76	3.08 4.32	0.90 -0.85	2.70 4.00	0.15 0.95	3.84 3.33	-0.26 0.05	4.17 3.36	-0.21 0.51	28
29	3.08 3.94	0.45 -0.28	2.68 4.21	0.86 -0.81	2.72 4.30	0.63 -1.04	2.88 3.54	-0.06			4.53 3.52	-0.07 0.84	29
30	2.92 3.91	0.52 -0.40	2.42 4.45	1.10 -0.75	2.67 4.09	0.58	-0.83 0.02	3.23 3.41			4.64 3.54	-0.06 1.40	30
31	2.75 4.01	0.68 -0.76			-1.19 -0.13	2.24 3.32	-0.56 0.30	3.56 3.75			4.68 3.21	-0.02	31
MAXIMUM	4.49		4.45		4.97		4.52		4.67		4.78		MAXIMUM
MINIMUM	-0.76		-0.95		-1.20		-1.46		-1.16		-0.69		MINIMUM

LOCATION: LAT. 38 06 18, LONG. 121 41 57, NE SEC. 13, T3N, R2E,
ON SHERMAN ISLAND, 0.1 MILE EAST OF STATE HIGHWAY 160 BRIDGE,
3.6 MILES SOUTH OF RIO VISTA, IN TIDAL ZONE. MAXIMUM GAGE
HEIGHT DOES NOT INDICATE MAXIMUM DISCHARGE.

PERIOD OF RECORD: APRIL 1929 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIDES

B91160 THREE MILE SLOUGH AT SACRAMENTO RIVER
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	1.32	3.91	1.34	3.44	1.65	3.00	0.38	1.86	-0.20	2.07	NR	NR	01
	-0.53	2.72	-0.76	3.01	0.07	3.93	0.02	3.55	1.21	4.00			
02	1.23	3.34	1.21	2.92	1.17	2.58	0.06	1.71	-0.39	2.33	NR	NR	02
	-0.59	2.68	-0.90	3.01	0.21	3.80	0.44	3.67	1.41	4.17			
03	1.35	3.24	0.86	2.51	0.50	2.27	-0.29	1.80	-0.54	2.81	NR	NR	03
	-0.33	3.00	-0.48	3.26	0.50	3.93	0.88	3.92	1.50	4.56			
04	1.56	3.16	0.56	2.88	0.16	2.48	-0.47	2.15	-0.22	3.03	4.17	-0.52	04
	-0.17		-0.71	3.01	1.16	4.57	1.16	4.06	1.45		3.29	0.34	
05	3.29	1.45	-0.02	1.67	0.50	3.04	-0.65	2.32	NR	NR	4.18	-0.24	05
	3.17	-0.22	-0.45		1.42		1.16				3.59	0.28	
06	3.30	0.97	2.96	-0.36	4.68	0.32	4.31	-0.66	NR	NR	4.10	0.84	06
	3.09	-0.23	2.05	-0.19	3.20	1.57	2.62	1.44			3.98	0.32	
07	3.33	0.57	3.29	-0.53	4.62	-0.16	4.52	-0.56	NR	NR	3.96	0.24	07
	3.14	-0.11	2.34	0.11	3.17	1.54	2.83	1.35			4.27	0.37	
08	3.48	0.23	3.56	-0.59	4.78	-0.33	4.56	-0.72	NR	NR	3.83	0.53	08
	3.14	-0.04	2.63	0.45	3.22	1.52	2.89	1.18			4.50		
09	3.47	-0.02	3.88	-0.60	4.68	-0.46	4.62	-0.57	NR	NR	0.06	3.39	09
	3.18	0.34	2.75	0.54	3.25	1.57	3.03	0.97			0.49	4.45	
10	3.69	-0.25	3.90	-0.62	4.81	-0.33	4.45	-0.64	NR	NR	0.23	3.88	10
	3.22	0.45	2.70	0.63	3.57	1.86	3.10	0.88			0.91	4.47	
11	3.81	-0.31	3.84	-1.09	5.10	0.02	4.27	-0.67	NR	NR	0.10	3.24	11
	3.16	0.66	2.51	0.60	3.73	1.81	3.30	0.77			1.31	4.53	
12	3.91	-0.50	3.86	-1.16	4.84	-0.36	3.91	-0.63	NR	NR	0.25	3.17	12
	3.01	0.76	2.71	0.93	3.52	1.44	3.54				1.53	4.44	
13	4.07	-0.41	4.11	-0.84	4.36	-0.48	0.63	3.52	NR	NR	0.15	3.25	13
	3.20	1.34	3.19	1.66	3.81		-0.45	3.91			1.57	4.22	
14	4.31	-0.28	4.53	-0.42	1.75	4.38	0.78	3.54	NR	NR	-0.07	3.22	14
	3.16	1.22	3.14	1.40	-0.07	4.09	0.00	4.25			1.31	4.04	
15	3.98	-0.75	4.14	-0.76	1.51	3.96	0.37	2.85	NR	NR	-0.13	3.21	15
	2.81	1.27	3.21		0.04	4.20	-0.18	3.95			1.04		
16	3.83	-0.75	1.36	3.84	1.01	3.33	-0.17	2.36	NR	NR	3.88	-0.11	16
	2.78		-0.76	3.33	-0.04	4.27	0.14	4.15			3.21	0.68	
17	1.45	3.68	1.28	3.47	0.59	2.93	-0.18	2.60	NR	NR	3.79	-0.11	17
	-0.68	2.91	-0.93	3.27	0.60	4.40	0.68	4.44			3.35	0.59	
18	1.44	3.29	0.96	3.22	-0.01	2.72	-0.26	2.68	NR	NR	3.46	0.14	18
	-0.93	2.72	-0.43	3.84	0.68	4.60	1.11	4.47			3.49	0.64	
19	1.10	2.97	0.74	3.11	-0.03	2.75	-0.43	2.83	NR	NR	3.76	0.17	19
	-1.16	2.72	0.12	4.25	0.62		1.22				3.50	0.36	
20	0.57	2.87	0.19	2.41	4.48	-0.56	4.52	-0.46	NR	NR	3.45	0.02	20
	-0.95		-0.72		2.84	1.14	2.93	1.22			3.44	0.09	
21	3.22	0.35	3.74	-0.59	4.64	-0.57	4.48	-0.51	NR	NR	3.40	0.28	21
	3.20	-0.43	2.60	0.05	2.90	1.15	2.97	1.07			3.54	0.02	
22	3.70	0.14	4.16	-0.62	4.59	-0.64	4.44	-0.56	NR	NR	3.15	0.79	22
	3.25	-0.37	2.84	0.36	3.01	1.29	3.06	1.01			3.45	-0.26	
23	3.70	-0.46	4.35	-0.63	4.55	-0.59	4.38	-0.45	NR	NR	2.69	0.15	23
	3.02	-0.29	2.98	0.58	3.10	1.29	3.15	0.98			3.33		
24	3.94	-0.57	4.49	-0.78	4.38	-0.59	4.28	-0.44	NR	NR	-0.57	2.50	24
	3.50	0.52	3.04	0.93	2.95	0.93	3.19	0.92			0.38	3.44	
25	4.38	-0.49	4.54	-0.90	3.95	-1.17	3.99	-0.48	NR	NR	-0.51	2.47	25
	3.29	0.40	3.08	0.97	2.81	0.86	3.32	0.98			0.74	3.60	
26	4.15	-0.98	4.49	-0.72	3.69	-1.06	3.81	-0.24	NR	NR	-0.29	2.66	26
	2.91	0.41	3.28	1.32	2.98	1.02	3.51	1.06			1.19	3.75	
27	4.17	-1.03	4.47	-0.73	3.50	-0.96	3.63	0.27	NR	NR	-0.11	2.75	27
	2.82	0.56	3.22	1.29	3.05		3.85				1.56	3.74	
28	4.01	-1.17	4.06	-0.92	0.92	3.06	1.20	3.39	NR	NR	-0.23	2.78	28
	2.85	0.86	3.14	1.33	-0.98	3.12	0.36	3.96			1.46	3.64	
29	3.93	-1.01	3.76	-0.95	0.99	2.78	0.95	2.81	NR	NR	-0.35	2.90	29
	2.93		3.33		-0.56	3.27	0.35	3.82			1.19	3.67	
30	1.22	3.79	1.71	3.74	0.71	2.26	0.51	2.19	NR	NR	-0.32	3.16	30
	-0.92	2.99	-0.53	3.66	-0.31	3.48	0.47	3.67			0.87	3.86	
31			1.88	3.44			0.95	1.87	NR	NR			31
			-0.22	3.73			0.78	3.76					
MAXIMUM	4.38		4.54		5.10		4.62		NR		NR		MAXIMUM
MINIMUM	-1.17		-1.16		-1.17		-0.72		NR		NR		MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 6.7 - 12-25-55

ZERO OF GAGE: 1929 TO 1940 0.00 USCG
1940 TO 1959 0.00 USCG
1959 -10.00 USCG
1964 -10.24 USCG
1964 TO DATE 0.00 USCG

TABLE B-12 (CONTINUED)

DAILY TIDES

891110 SACRAMENTO RIVER AT COLLINSVILLE
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.30	2.41	4.88	3.12	5.02	3.57	4.85	2.56	2.74	6.40	6.33	2.34	01
	5.81	2.20	6.28	1.59	6.61	1.68	5.55		2.90	5.58	5.42	2.66	
02	5.36	2.79	4.98	3.43	5.27	3.68	1.22	5.07	3.20	6.54	6.20	1.95	02
	6.78	2.29	6.31	1.53	6.52		2.38	4.93	2.88	4.96	4.71		
03	5.40	2.01	4.88	3.35	1.45	5.64	1.15	5.07	2.83	6.33	2.60	5.95	03
	6.12	2.07	6.10		3.91	6.79	1.96	4.31	2.35	5.03	1.68	4.53	
04	5.18	3.11	1.45	4.81	2.44	6.00	1.37	5.55	3.89	6.73	3.23	6.21	04
	6.19	2.00	3.36	5.93	3.75	6.24	1.83	3.96	2.27	4.73	1.90	4.88	
05	5.03	3.35	1.44	4.94	1.49	5.65	1.65	5.55	3.42	6.19	3.70	6.06	05
	6.19		3.43	5.66	3.12	5.12	1.60	3.95	1.75		2.04	5.02	
06	1.84	4.88	1.47	4.99	1.59	5.57	2.39	6.11	4.57	3.34	4.04	6.74	06
	3.51	6.05	3.13	5.24	2.51	4.56	1.87	4.45	5.98	1.69	2.02		
07	1.73	4.90	1.43	5.34	1.75	5.75	2.94	6.21	4.91	3.53	5.18	4.06	07
	3.79	6.16	3.17	5.21	2.20	4.53	1.72		6.29	1.91	6.61	2.66	
08	1.93	4.98	1.53	5.21	2.15	5.73	4.75	3.67	5.17	3.52	5.71	3.87	08
	3.74	5.46	2.34	4.76	1.72	4.31	6.55	1.93	6.37	2.19	6.15	2.25	
09	1.71	5.06	1.62	5.44	2.48	5.98	4.82	3.09	5.80	3.73	5.38	3.25	09
	3.44	5.76	1.97	4.64	1.44		5.97	1.24	6.65	2.95	5.93	2.26	
10	1.76	5.24	1.81	5.56	4.40	2.88	4.55	3.11	6.03	3.70	5.62	3.23	10
	3.79	5.70	1.62	4.61	6.25	1.61	5.98	1.15	6.43	2.24	5.95	2.12	
11	1.80	5.36	2.05	5.71	4.70	3.04	4.41	2.97	5.39	3.17	5.73	3.03	11
	2.51	5.55	1.47		6.29	1.48	5.90	1.15	6.02	2.10	5.93	2.42	
12	1.69	5.44	4.65	2.37	4.73	3.19	4.40	2.69	5.49	3.20	5.66	2.71	12
	2.17		5.97	1.45	6.35	1.53	5.43	6.84	6.10	2.65	5.69	2.43	
13	5.43	1.93	4.81	2.75	4.77	3.07	4.24	2.57	6.21	3.50	5.77	2.74	13
	5.68	1.95	6.20	1.53	6.44	1.20	5.37	1.05	5.93	2.70	5.69	2.44	
14	5.39	2.16	4.94	3.05	4.58	3.08	4.50	2.67	5.89	3.11	5.61	2.36	14
	5.89	1.41	6.37	1.76	5.99	1.17	5.27	1.16	5.31	2.44	5.37	2.76	
15	5.22	2.28	5.07	3.33	4.68	3.07	4.66	2.69	5.49	2.87	5.78	2.27	15
	5.91	1.48	6.33	1.60	5.72	1.11	5.05	1.28	4.92	2.72	5.27	3.46	
16	5.11	2.53	4.94	3.46	4.55	3.08	4.79	2.65	5.75	2.63	6.27	2.37	16
	6.09	1.61	6.16	1.59	5.18	1.17	4.69	1.33	4.24		4.93	3.74	
17	5.10	2.42	4.49	3.43	4.44	3.16	4.70	2.36	2.67	5.41	5.77	2.67	17
	6.14	1.56	5.77		5.29		4.09		2.53	4.03	4.76	3.43	
18	5.71	2.00	1.50	4.98	1.29	4.83	1.37	4.67	2.91	5.48	5.90	2.68	18
	6.16		3.64	5.56	3.17	4.74	2.20	3.41	2.20	3.82	4.57	3.66	
19	1.74	5.18	1.47	4.77	1.21	4.78	1.75	4.74	3.25	5.79	5.94	2.78	19
	3.54	6.22	1.44	4.98	2.96	4.22	1.82	3.20	2.20	4.31	4.67		
20	1.98	5.21	1.41	4.88	1.28	4.75	2.06	5.01	3.68	5.83	3.87	5.63	20
	3.70	5.48	3.59	4.94	2.44	3.73	1.69	3.57	1.66		1.84	4.68	
21	1.82	4.95	2.16	6.12	1.63	5.02	2.71	5.41	4.13	3.36	3.87	5.77	21
	3.72	5.40	4.23	4.92	2.64	3.68	1.55	3.72	5.57	1.17	2.76	5.79	
22	1.70	5.18	2.12	5.26	1.84	5.04	3.01	5.55	4.12	3.04	4.21	6.13	22
	3.67	5.28	2.70	4.04	1.65	3.35	1.18		5.65	1.12	2.20		
23	1.98	5.11	1.94	5.08	2.12	5.06	3.84	3.17	4.51	2.74	5.45	3.47	23
	3.44	1.44	2.12	3.98	1.25	3.38	5.87	1.28	5.84	1.18	5.94	1.49	
24	1.77	5.08	2.18	5.19	2.42	5.34	4.18	3.11	4.84	2.53	5.67	3.78	24
	3.02	1.43	2.07	4.52	1.20		6.06	1.29	6.09	1.53	6.20	2.71	
25	2.75	5.24	2.62	5.65	3.79	2.72	4.47	3.67	5.31	2.56	6.52	3.78	25
	2.81	4.96	1.73		5.83	1.31	6.28	1.41	6.21	1.83	6.67	2.41	
26	2.26	5.44	4.33	2.71	4.30	3.17	4.73	3.68	5.54	2.31	5.98	2.45	26
	2.64		5.49	1.70	6.24	1.43	6.44	1.37	5.89	1.79	5.97	2.44	
27	5.25	2.66	4.54	2.92	4.74	3.69	4.64	2.44	5.80	2.07	6.31	2.19	27
	5.74	2.45	6.06	1.54	7.17	2.23	6.16	1.30	5.60	1.95	5.85	2.47	
28	5.53	3.26	4.70	1.22	5.23	3.31	4.82	2.55	5.95	2.09	6.16	1.99	28
	6.43	2.47	6.35	1.55	6.41	1.49	6.10	1.44	5.42	2.30	5.36	2.45	
29	5.26	2.76	4.40	3.21	4.46	3.00	5.03	2.31			6.58	2.58	29
	6.46	2.44	6.38	1.58	6.46	1.27	5.71	1.49			5.52	3.53	
30	5.36	2.49	4.92	3.46	4.80	2.91	5.38	2.44			6.67	2.45	30
	6.43	1.64	6.54	1.55	5.20	1.14	5.54	1.81			5.54	3.67	
31	4.84	3.00			4.41	2.24	5.73	2.72			6.73	2.78	31
	6.14	1.55			5.49	0.92	5.97				5.24		
MAXIMUM	4.44		4.56		7.17		4.55		6.73		4.87		MAXIMUM
MINIMUM	1.55		1.41		0.92		0.88		1.12		1.68		MINIMUM

LOCATION: LAT. 38 04 25 LONG. 121 51 18, SW SEC. 27, T3N, R1E
0.4 MILE SOUTHWEST OF COLLINSVILLE 3.3 MILES NORTHEAST
OF PITTSBURG.

PERIOD OF RECORD: JUNE 1929 TO DATE

TABLE A-12 (CONTINUED)

DAILY TIDES

901114 SACRAMENTO RIVER AT COLLINSVILLE
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	3.53	5.96	3.80	5.50	3.72	4.95	2.63	3.91	2.13	4.14	1.77	4.48	01
	1.65	4.76	1.42	4.99	2.23	5.75	2.28	5.41	3.54	6.95	3.27	6.42	
02	3.48	5.41	3.48	4.94	3.27	4.59	2.34	3.78	1.92	4.37	1.64	4.85	02
	1.58	4.70	1.32	4.99	2.40	5.84	2.71	5.77	3.74	4.22	3.10	6.10	
03	3.64	5.27	2.14	4.59	2.81	4.32	2.00	3.87	1.77	4.64	1.72	5.12	03
	1.49	5.63	1.64	5.24	2.74	5.99	3.04	5.94	3.79	6.54	2.47		
04	3.49	5.35	2.82	4.18	2.44	4.59	1.88	4.21	2.03	5.05	6.24	1.43	04
	2.64	5.16	1.52	5.05	3.44	6.51	3.39	4.14	3.70		5.36	2.44	
05	3.79	4.93	2.27	3.94	2.44	5.02	1.60	4.39	6.67	1.42	6.23	2.48	05
	2.25		1.82	5.04	3.41	4.45	3.44	4.37	5.14	3.52	5.63	2.43	
06	5.35	1.20	1.91	4.14	2.44	5.19	1.61	4.44	6.71	1.41	6.07	2.38	06
	5.14	2.15	2.08		3.76		3.62		5.15	3.13	5.96	2.42	
07	5.35	2.84	5.35	1.78	4.47	2.03	4.55	1.41	6.37	1.49	5.97	2.49	07
	5.18	2.24	4.41	2.37	5.14	3.78	4.83	3.54	4.97	2.54	6.26	2.44	
08	5.55	2.55	5.44	1.49	4.41	1.94	4.41	1.55	6.10	1.55	5.41	2.72	08
	5.29	2.27	4.68	2.71	5.24	3.42	4.91	3.45	5.21	2.50	6.51		
09	5.54	2.29	5.67	1.59	4.78	1.85	4.43	1.44	6.02	1.83	2.39	5.47	09
	5.21	2.61	4.76	2.52	5.32	3.86	5.05	3.21	5.98	2.57	2.40	4.44	
10	5.79	2.18	5.92	1.48	4.47	1.94	4.44	1.43	5.41	2.07	2.39	5.13	10
	5.24	2.75	4.71	2.88	5.57	4.04	5.14	3.10	5.10	2.44	3.14	4.44	
11	5.88	1.94	5.92	1.20	4.67	2.12	4.31	1.59	5.68	2.48	2.33	5.94	11
	5.20	2.91	4.57	2.84	5.67	3.92	4.30	2.94	6.20		3.54	5.47	
12	5.97	1.42	5.97	1.16	4.46	1.49	5.94	1.45	2.69	5.26	2.39	5.73	12
	5.59	3.05	4.79	3.24	4.50	3.69	5.54		2.60	4.26	3.75	6.41	
13	6.10	1.49	6.24	1.42	6.42	1.75	2.99	5.74	2.43	4.92	2.31	5.21	13
	5.22	3.47	5.14	3.64	6.73	3.78	1.43	5.93	2.75	4.27	3.75	6.14	
14	6.37	2.01	6.56	1.46	6.75	2.02	3.04	5.54	2.29	4.74	2.10	5.22	14
	5.14	1.53	5.09	3.55	5.94		2.27	4.19	3.21	4.30	3.51	5.08	
15	6.74	1.59	6.16	1.43	3.55	5.94	2.67	4.99	2.13	4.78	2.00	5.22	15
	4.90	3.41	5.21		2.15	4.13	2.17	6.02	1.49	4.39	3.26	4.87	
16	5.90	1.54	3.54	5.87	3.20	5.34	2.14	4.44	2.08	4.91	2.03	5.24	16
	4.82	1.75	1.42	5.34	2.12	4.31	2.48	6.22	3.54	6.31	2.95		
17	5.74	1.56	3.53	5.53	3.43	4.41	2.05	4.43	1.36	5.02	5.74	2.14	17
	4.41		1.35	5.31	2.73	4.45	3.14	4.44	1.39	5.23	5.34	2.84	
18	3.72	5.37	3.18	5.27	2.29	4.79	2.10	4.74	1.42	5.11	5.43	2.31	18
	1.20	4.71	1.69	5.78	2.92	5.64	3.29	6.51	3.22		5.49	2.41	
19	3.39	5.63	2.45	5.11	2.21	4.44	1.45	4.45	6.15	1.78	5.68	2.36	19
	1.17	4.78	2.15	5.72	2.92	6.50	3.44		5.02	3.92	5.44	2.46	
20	2.87	4.96	2.46	4.53	1.74	4.49	5.55	1.48	5.93	1.74	5.49	2.39	20
	1.39	5.28	1.61	5.41	1.73		4.94	3.49	5.11	2.47	5.48	2.33	
21	2.67	5.28	1.72	4.70	4.49	1.41	4.51	1.77	6.01	2.04	5.41	2.63	21
	1.40	4.73	2.30	6.23	4.49		5.01	3.37	5.37	3.04	5.40	2.26	
22	2.34	5.31	1.64	4.92	4.47	1.41	4.44	1.79	5.92	2.13	5.19	2.73	22
	1.96		2.62		4.44	3.54	5.12	3.32	5.32	2.44	5.44	2.61	
23	5.42	1.42	4.40	1.60	4.44	1.41	4.41	1.44	5.71	2.18	4.74	2.49	23
	5.14	2.15	5.04	2.87	4.49	3.54	4.19	3.24	5.39	2.70	5.41	1.77	
24	4.76	1.40	4.57	1.53	4.49	1.44	4.29	1.92	5.47	2.19	4.54	2.73	24
	5.55	2.73	5.11	3.22	4.41	3.22	5.22	3.22	5.41	2.43	5.40		
25	4.47	1.79	4.46	1.43	4.45	1.14	4.44	1.49	5.27	2.49	1.41	4.44	25
	5.34	2.75	5.16	1.30	4.44	3.15	5.34	3.24	5.64	2.74	3.12	5.47	
26	6.29	1.29	4.57	1.55	5.77	1.24	5.47	2.14	5.21	2.79	1.49	4.49	26
	5.00	2.49	5.32	1.67	5.44	1.27	5.55	3.14	5.91		3.59	4.78	
27	4.22	1.27	4.57	1.57	5.44	1.34	5.67	2.48	2.65	4.71	2.02	4.71	27
	4.48	2.49	5.27	3.40	5.41	3.17	4.82		2.73	4.46	3.77	4.74	
28	6.13	1.15	4.28	1.41	5.13	1.43	1.39	5.41	2.28	4.24	1.49	4.74	28
	4.90	1.20	5.23	3.64	5.19		2.61	5.94	2.92	5.41	1.75	5.44	
29	6.73	1.11	5.49	1.42	3.29	4.43	3.21	4.24	1.49	4.00	1.45	4.44	29
	4.94	1.51	5.39		1.71	5.33	2.63	5.44	3.20	5.41	3.55	5.71	
30	5.59	1.33	3.49	5.42	2.97	4.31	2.41	4.26	1.78	4.13	1.49	5.14	30
	5.15		1.79	5.44	1.90	5.44	2.74	5.74	3.50	5.84	3.14	4.49	
31			4.02	5.44			2.35	3.97	1.75	4.52			31
			2.41	5.74			3.15	5.49	3.69	4.07			

MAXIMUM	4.47	4.66	7.37	4.93	4.71	4.53	MAXIMUM
MINIMUM	1.15	1.16	1.14	1.55	1.49	1.44	MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 9.2 - 4/6/58

ZERO OF GAGE: 1929
1929 -3.0' USGS
1944 -3.2' USGS
1964 TO DATE -3.00 USGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

895820 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	3.46 3.51	3.88 4.13	4.23 4.16	4.43 4.92	3.05 3.40	3.66 4.43	2.38 2.91	3.25 3.67	3.18 3.20	3.83	3.05 2.99	3.91 3.46	01
02	3.60 3.73	4.03 4.46	3.94 4.11	4.37 4.82	3.15 3.56	3.86 4.40	2.79 2.87	3.42 3.23	3.59 4.45	3.35 3.40	2.90 2.79	3.76 3.46	02
03	3.64 3.55	3.97 4.14	3.94 4.23	4.43 4.84	3.26 3.43	3.86	2.15 2.08	2.91	3.59 4.04	3.08 2.70	3.06 3.73	2.76 2.71	03
04	3.30 3.38	3.69 4.20	4.04 4.24	4.47 4.96	4.35 4.62	3.64 4.14	2.55 3.44	2.21 2.77	3.21 4.25	2.93	3.15 3.88	2.82 2.69	04
05	3.28 3.35	3.65 4.25	4.00 4.16	4.38	4.67 4.25	3.67 3.74	2.98 3.51	2.71	3.12 3.49	3.63 4.35	3.37 4.07	3.12 3.46	05
06	3.18 3.17	3.46 4.07	4.67 4.22	3.76 3.77	4.12 4.13	3.43 3.66	2.73 2.62	2.83 3.81	3.65 4.10	4.20 4.95	2.88 3.21	3.43 3.95	06
07	2.98 3.18	3.38 4.26	4.15 3.77	3.09 3.30	3.95 4.29	3.56 3.74	2.64 2.40	3.67	NK	NK	2.92 3.30	3.40 4.40	07
08	3.07 3.26	3.53	3.90 3.62	2.90 2.96	4.03 4.29	3.70	2.38 3.09	3.15 4.64	5.12 5.39	5.50 5.77	3.56 3.89	4.14 4.52	08
09	4.12 4.51	2.97 3.16	3.44 3.58	2.75	3.67 3.72	3.95 4.41	3.27 3.36	3.59 4.25	5.34 5.58	5.75 5.95	3.77 4.01	4.28 4.50	09
10	3.94 3.47	2.89 2.97	NK	NK	3.68 3.71	3.91 4.54	2.93 3.09	3.26 4.07	5.42 5.46	5.83 5.82	3.33 4.45	4.32 4.77	10
11	3.70 3.48	2.71	NK	NK	3.70 3.82	4.02 4.57	2.99 3.20	3.36 4.03	5.28 5.36	5.63 5.72	4.11 4.13	4.53 4.80	11
12	2.80 2.74	3.44 3.48	NK	NK	3.69 3.82	4.03 4.77	3.05 3.16	3.34 3.67	5.34 5.48	5.73 5.83	4.20 4.46	4.82 4.87	12
13	2.92 2.86	3.46 3.70	NK	NK	3.74 3.87	4.09 4.41	2.77 2.82	3.00 3.47	5.41 5.80	5.90 5.95	4.55 4.71	4.99 5.14	13
14	3.03 2.98	3.51 3.83	NK	NK	3.55 3.64	3.79 4.40	2.27 2.28	2.69 3.12	5.62 5.98	6.17	4.57 4.50	4.94 4.93	14
15	3.02 2.86	3.39 3.73	NK	NK	3.58 3.66	3.82 4.15	2.37 2.87	3.07 3.47	6.22 6.48	6.08 6.33	4.65 4.87	5.20 5.36	15
16	2.78 2.71	3.18 3.80	2.85 3.11	3.42 4.16	3.47 3.63	3.74 4.31	2.85 3.13	3.43 3.44	6.36 6.68	6.71 6.70	5.19 5.03	5.69 5.23	16
17	2.71 2.84	3.16 3.96	2.83 3.08	3.33 3.80	3.52 3.87	3.92 4.16	2.91 3.06	3.39 3.30	6.31A 5.80A	5.80A	4.89 4.82	5.41	17
18	2.99 3.12	3.43 4.16	2.71 3.19	3.38 3.84	3.25 3.37	3.69 3.70	2.90 2.94	3.30 3.07	5.40A 5.19A	5.19A	5.17 5.06	5.05 4.87	18
19	3.12 3.25	3.54 4.17	2.73 3.05	3.36	2.98 3.10	3.47 3.40	2.76 2.69	3.31	NK	NK	5.16 5.52	4.94 4.78	19
20	3.11 3.31	3.61 4.07	3.43 3.28	2.60 3.05	2.78 2.97	3.36	2.78 3.27	2.53 2.37	NK	NK	NK	NK	20
21	3.04 3.15	3.37	3.59 3.96	2.66 3.43	3.05 3.22	2.63 2.89	2.47 3.09	2.15 2.05	NK	NK	5.23 5.41	5.12 5.09	21
22	3.63 3.50	2.95 3.28	3.55 3.54	2.65 2.74	3.04A 3.72	2.55A	2.54 3.72	2.45	NK	NK	5.60 5.82	5.41	22
23	3.81 3.64	3.14 3.47	2.90 3.17	2.33	2.09A 3.06	3.27A	2.80 3.06	3.13 4.05	4.50 4.54	4.69 4.13	NK	NK	23
24	3.83 4.01	3.48 3.73	2.43 2.24	2.62 3.13	2.12 1.95	2.24 3.06	3.04 3.33	3.41 4.20	4.22 4.16	4.41 4.65	5.50 5.61	5.80 5.92	24
25	4.07 4.21	3.75 3.95	2.47 2.60	2.86 3.75	1.95 2.20	2.33 3.52	3.15 3.41	3.56 4.27	3.90 3.88	4.30 4.50	5.37 5.64	6.00 6.36	25
26	4.30 4.45	4.00	2.71 2.79	3.09 3.85	2.35 2.62	2.76 3.94	3.20 3.43	3.59	3.98 4.15	4.43 4.65	5.61 5.78	6.07 6.09	26
27	4.09 4.09	4.41 4.53	2.78 2.99	3.26 4.08	2.42 2.46	2.78 4.11	3.04 3.04	3.26 4.18	4.07 3.80	4.32 4.12	5.63 5.80	6.20 6.00	27
28	4.08 4.25	4.52 5.11	2.95 3.17	3.39 4.26	2.64 3.38	3.69 4.38	2.48 2.25	2.86 3.53	3.46 3.22	3.92 3.62	5.48 5.33	6.00 5.55	28
29	4.33 4.24	4.53 4.79	2.98 3.11	3.32 4.28	3.16 3.37	3.67 4.21	2.55 2.94	3.25 3.75			5.22 5.18	5.79 5.44	29
30	4.20 4.28	4.47 4.77	3.01 3.23	3.49 4.40	2.84 2.99	3.28 4.28	3.00 3.18	3.65 3.77			5.17 5.24	5.75	30
31	4.27 4.34	4.52 4.85			2.80 2.47	3.09 3.29	3.11 3.01	3.60 3.72			5.56 6.21	5.40 5.50	31
MAXIMUM	5.11		NK		4.77A		4.64		NK		NK		MAXIMUM
MINIMUM	2.71		NK		1.95A		2.05		NK		NK		MINIMUM

NR = NO RECORD

A = HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

LOCATION: LAT. 37 47 12, LONG. 121 18 21, SM SEC. 3, T25, R6E,
ON OLD U.S. HWY 90 BRIDGE, 3.0 MILES SW OF LATROP.

PERIOD OF RECORD: 1920 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIDES

894820 SAN JOAQUIN RIVER AT MOSSALE BRIDGE
(APRIL 1, 1975 THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	5.75 5.65	5.37 4.85	2.83 3.14	2.20 1.57	4.51 4.39	4.00 3.91	2.90 1.83	1.51 1.07	3.00 1.51	0.65 1.10	3.06 2.27	1.29 1.70	01
02	NW	NR	2.77 2.62	2.11 1.22	4.93 4.91	4.53 4.66	2.89 1.56	1.16 1.01	3.03 1.58	0.59 1.19	2.97 2.22	1.17 1.56	02
03	4.49 4.49	5.20	2.51 2.31	1.71 1.27	5.46 5.10	5.01 5.01	2.93 1.70	0.99 1.33	2.99 1.66	0.61 1.29	2.94 2.34	1.23	03
04	3.53 3.78	4.11 4.02	2.80 2.44	2.05 1.89	5.81 5.71	5.42 5.88	3.22 1.94	1.04 1.6	3.28 2.23	0.70 1.59	1.49 1.22	2.86 2.42	04
05	3.20 3.36	3.76 3.78	3.01 2.77	2.43 2.34	6.58 6.16	6.01	3.39 2.03	1.11 1.62	3.08 2.36	0.90	1.46 1.39	2.85 2.80	05
06	2.90 3.12	3.55 3.54	3.12 2.82	2.47	5.90 5.52	5.46 5.82	3.57 2.41	1.29 2.00	1.56 0.42	3.01 2.38	1.74 1.67	3.01 3.04	06
07	2.90 3.12	3.55 3.54	2.46 2.64	3.36 3.13	5.62 5.57	6.30 5.91	3.81 2.49	1.42	1.34 0.62	2.54 1.91	1.93 1.88	3.08 3.31	07
08	3.09 3.16	3.73 3.78	2.84 2.84	3.68 3.39	5.78 5.77	6.49 6.04	1.88 1.25	3.71 2.39	0.93 0.80	2.49 1.95	2.06 2.01	3.13 3.62	08
09	3.34 3.65	4.23 4.20	3.04 2.89	3.94 3.48	5.92 5.94	6.62 6.24	1.80 1.42	3.77 2.53	0.92 0.72	2.41 2.07	2.12 2.05	2.98 3.66	09
10	3.84 3.90	4.34 4.38	3.12 2.94	3.99 3.33	6.14 6.14	6.83	1.79 1.35	3.80 2.52	1.08 0.91	2.26 2.35	2.11 2.14	2.99 3.74	10
11	3.99 3.94	4.49 4.56	3.08 2.88	3.83 2.97	6.45 7.01	6.32 6.17	1.66 1.04	3.29 2.49	1.19 1.12	2.33	2.05 2.25	2.98	11
12	4.04 3.92	4.52 4.25	2.88 2.46	3.68 3.00	6.47 6.78	6.26 5.80	1.45 1.02	3.07	2.43 2.27	1.33 1.17	3.89 3.07	2.13 2.34	12
13	3.88 3.70	4.42	2.77 2.49	3.82 3.57	5.98 5.94	5.57 4.76	2.64 2.85	1.41 1.07	2.41 2.03	1.20 1.13	3.96 3.16	2.14 2.67	13
14	4.15 4.69	3.95 3.65	3.23 2.97	4.40	5.24 5.64	4.90 4.95	3.06 2.86	1.59 1.26	2.82 1.89	1.03 1.18	3.86 3.10	2.10 2.48	14
15	4.10 4.37	3.75 3.24	3.75 4.45	3.34 2.98	5.87 5.91	5.40 5.54	3.25 2.23	1.35 0.86	2.78 2.11	0.88 1.41	3.63 3.15	2.11 2.46	15
16	3.70 4.23	3.61 2.94	3.77 4.29	3.61 3.05	6.20 6.05	5.86 5.72	2.92 1.80	0.95 0.84	2.47 2.00	0.92 1.44	3.55 3.17	2.02	16
17	3.47 4.01	3.11 2.67	3.98 4.05	3.62 2.62	6.26 6.81	5.81 5.81	3.09 2.15	1.04 1.45	2.87 2.09	0.88 1.52	2.33 2.12	3.44 3.28	17
18	3.33 3.54	2.94 2.40	3.85 4.05	3.38 3.23	6.42 6.02	5.88 5.47	3.50 2.24	1.13 1.58	2.88 2.39	1.21	2.33 2.14	3.39 3.36	18
19	3.12 3.24	2.70 2.10	4.37 4.16	3.64 3.47	6.46 5.95	5.83 5.70	3.57 2.39	1.13 1.71	1.78 1.51	3.08 2.61	2.41 2.21	3.41 3.37	19
20	2.97 3.07	2.48 2.21	4.79 4.40	4.01	6.16 5.22	5.15	3.58 2.50	1.25	1.96 1.65	3.10 2.73	2.26 2.00	3.14 3.19	20
21	3.18 3.45	2.56	3.37 3.47	4.25 3.82	4.75 3.53	5.24 3.81	1.80 1.25	3.63 2.42	2.01 1.68	3.13 2.84	2.21 2.16	3.13 3.22	21
22	2.92 2.80	3.52 3.42	3.42 3.53	4.52 3.93	3.37 2.79	4.51 3.40	1.65 1.08	3.50 2.39	2.02 1.85	3.09 2.76	2.18 2.18	2.97 3.30	22
23	2.37 2.22	3.35 3.05	3.53 3.48	4.66 3.90	2.97 2.58	4.33 3.22	1.52 0.96	3.26 2.40	1.85 1.54	2.87 2.71	2.11 2.15	2.78 3.17	23
24	2.25 2.19	3.37 3.23	3.51 3.42	4.71 3.92	2.69 2.16	3.98 2.96	1.48 0.91	3.24 2.42	1.76 1.49	2.68 2.60	2.04 2.25	2.65 3.37	24
25	2.40 2.28	3.73 3.19	3.59 3.52	4.80 3.94	2.40 1.77	3.58 2.89	1.42 0.89	3.11 2.52	1.59 1.46	2.50 2.83	2.18 2.55	2.73 3.64	25
26	2.42 2.17	3.63 2.91	3.69 3.54	4.87 4.12	2.11 1.50	3.27	1.44 0.85	2.98 2.70	1.63 1.54	2.55 2.48	2.65 3.40	3.47 4.05	26
27	2.31 2.17	3.66 2.90	3.81 3.58	4.91	2.62 3.21	2.00 1.44	1.42 1.21	2.96	1.42 1.25	2.12 2.75	3.10 3.15	3.46	27
28	2.38 2.09	3.53 2.97	4.12 4.72	3.81 3.55	2.66 2.87	1.91 1.31	3.13 2.74	1.86 1.09	1.14 1.16	1.82	4.10 3.49	3.18 3.26	28
29	2.37 1.83	3.44	4.08 4.53	3.76 3.36	2.68 2.82	1.80 1.32	3.09 2.28	1.35 0.93	2.68 1.71	0.93 1.32	3.88 3.46	3.07 3.20	29
30	2.62 3.38	2.74 1.74	4.12 4.51	3.84 3.44	2.81 2.23	1.74 1.25	2.87 1.62	1.00 0.64	2.72 1.72	0.82 1.48	3.88 3.51	2.97 3.15	30
31			4.37 4.42	3.97 3.59			2.90 1.44	0.76 0.78	2.93 1.41	0.93 1.62			31

MAXIMUM

NR

4.91

7.01

3.81

3.28

4.10

MAXIMUM

MINIMUM

NR

1.22

1.25

0.64

0.59

1.17

MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 24.4 - 12-10-50

ZERO OF GAGE: 1920 TO 1943 5.16 USED
1943 0.00 USGS
1964 -0.17 USGS
1964 TO DATE 0.00 USGS

TABLE R-12 (CONTINUED)
DAILY TIDES
W95480 OLD RIVER AT HEAD
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	1.05 1.21	3.02 3.10	1.74 2.87	3.57 4.26	2.30 2.74	3.25 4.06	1.58 2.18	2.84 3.22	2.42 2.47	3.30	2.31 2.25	3.52 3.02	01
02	1.31 1.67	3.20 3.84	2.52 3.07	3.63 4.18	2.36 2.91	3.46 4.02	1.94 2.09	2.86 2.79	3.04 3.99	2.56 2.68	2.20 2.05	3.40 2.47	02
03	1.40 1.56	3.20 3.17	2.69 3.12	3.62 4.11	2.47 2.80	3.44 3.93	1.43 1.41	2.53 2.09	3.08 3.71	2.38 2.10	2.02 1.95	3.24	03
04	1.03 1.49	2.95 3.37	2.74 3.22	3.67 4.36	3.85 3.47	4.23 4.18	1.37 1.95	2.90	2.86 4.00	2.41 2.35	2.67 3.51	2.19 1.98	04
05	1.00 1.61	2.88 3.42	2.87 3.20	3.57 4.01	2.86 2.96	3.69	2.31 2.94	1.81 1.89	3.06 3.83	2.73	2.94 3.70	2.49 2.13	05
06	0.86 1.54	2.70 3.31	2.70 2.89	3.59	3.61 3.59	2.53 2.80	2.11 3.38	1.80 1.91	2.71 3.23	3.41 4.24	2.93 3.58	2.60 2.13	06
07	0.61 1.72	2.70 3.57	3.63 3.23	2.17 2.54	3.23 3.68	2.60 2.81	2.40 3.35	1.80	3.44 3.96	4.17 4.76	2.79 3.96	2.60	07
08	0.87 1.82	2.92	3.50 3.16	2.07 2.19	3.36 3.53	2.75	1.65 2.44	2.58 4.23	3.93 4.27	4.55 4.91	2.78 3.13	3.58 3.98	08
09	3.68 2.94	0.68 1.64	3.01 3.14	1.92 2.06	2.69 2.79	3.26 3.83	2.44 2.58	3.01 3.74	4.13 4.48	4.82 5.14	2.92 3.15	3.67 3.91	09
10	3.49 2.69	0.59 1.30	2.85 3.18	1.98	2.73 2.83	3.20 4.02	2.07 2.28	2.59 3.59	4.33 4.42	5.07 5.01	2.95 3.70	3.65 4.28	10
11	3.25 2.93	0.56 0.97	1.98 1.96	2.80 3.55	2.79 2.48	3.41 4.06	2.06 2.35	2.64	4.12 4.24	4.73 4.83	3.21 3.26	3.90 4.25	11
12	2.67 2.86	0.43	2.03 2.04	2.67 3.67	2.78 3.01	3.42 4.35	2.10 2.26	2.54 3.04	4.13 4.33	4.82 4.93	3.28 3.45	4.17 4.09	12
13	0.78 0.70	2.47 3.10	2.01 2.20	2.72 4.01	2.83 3.03	3.48 3.85	1.81 1.97	2.29 2.46	4.24 4.48	5.06 5.06	3.48 3.68	4.17 4.27	13
14	0.79 0.79	2.73 3.25	2.20 2.35	2.83 4.21	2.60 2.79	3.06 3.88	1.49 1.59	2.24 2.73	4.45 4.80	5.28 5.18	3.61 3.51	4.18 4.28	14
15	0.74 0.78	2.49 3.23	2.34 2.52	3.22 3.99	2.83 2.81	3.11 3.95	1.44 2.01	2.41 2.89	4.78 5.02	5.33 5.33	3.65 3.78	4.36 4.52	15
16	0.53 0.84	2.33 3.17	2.15 2.51	1.95 1.87	2.50 2.79	3.02 3.81	1.86 2.23	2.72 2.79	4.98 5.04	5.55 5.08	4.14 3.98	4.92 4.41	16
17	0.49 1.02	2.21 3.16	2.13 2.46	2.90 3.44	2.57 2.69	3.13 3.52	1.89 2.13	2.63 2.56	4.72 4.51	5.14	3.87 3.79	4.67	17
18	0.66 1.35	2.56 3.71	1.94 2.57	2.95 3.49	2.39 2.64	3.03 3.08	1.83 2.02	2.57	4.53 4.75	4.28 4.98	4.28 4.88	4.01 3.86	18
19	0.62 1.69	2.75 3.69	1.96 2.81	2.94 3.62	2.06 2.39	2.82 2.77	2.31 2.58	1.83 1.87	4.15 4.56	3.96 3.74	4.25 4.84	3.94 3.71	19
20	0.92 1.86	3.62 3.70	1.79 2.42	2.81 3.23	1.88 2.18	2.79	1.96 2.66	1.65 1.64	4.16 4.91	4.10	4.14 4.60	3.96 3.69	20
21	0.76 1.64	2.70	1.93 2.91	3.65	2.37 2.64	1.73 2.10	1.91 2.80	1.49 1.30	3.89 4.07	4.23 4.74	4.30 4.58	4.10 3.98	21
22	3.05 2.69	0.51 1.81	3.20 3.17	1.93 2.88	2.41 3.04	1.87 1.88	1.97 3.26	1.84	3.64 3.70	3.94 4.23	4.74 5.04	4.41	22
23	3.32 2.60	0.79 1.48	2.47 2.74	1.60 1.73	1.95 2.88	1.52	1.94 2.33	2.44 3.58	3.34 3.48	3.71	4.09 4.36	4.64 4.92	23
24	3.60 2.76	0.84 1.44	2.13 2.73	1.53	1.45 1.30	1.68 2.79	2.16 2.53	2.74 3.74	3.17 3.15	3.54 3.98	4.30 4.44	4.88 5.11	24
25	3.10 3.06	1.25 1.76	1.76 1.89	2.39	1.28 1.35	1.89 2.61	2.29 2.61	2.94 3.76	2.94 2.98	3.68 3.94	4.26 4.69	5.32 5.69	25
26	3.32 3.23	1.66	1.97 2.09	2.66 3.60	1.59 1.99	2.23 3.61	2.34 2.64	2.98 3.94	3.01 3.14	3.57 3.98	4.60 4.69	5.28 5.24	26
27	1.83 1.76	3.19 3.39	2.83 2.30	2.83 1.73	1.74 1.93	2.42 3.88	2.23 2.33	2.68 3.84	3.07 2.46	3.59 3.49	4.50 4.42	5.38 5.11	27
28	1.79 2.41	3.67 4.41	2.16 2.47	2.93 3.85	2.03 2.72	3.30 4.01	1.87 1.65	2.54 3.27	2.59 2.38	3.34 3.10	4.34 4.17	5.19 4.40	28
29	2.31 2.13	3.59 3.95	2.20 2.43	2.81 3.95	2.40 2.65	3.24 3.85	1.79 2.18	2.79	4.12 4.03	4.96 4.92	4.87 4.52	29	
30	1.80 2.17	3.40 3.67	2.25 2.57	3.84 4.10	2.11 2.41	2.75 3.94	2.18 2.38	3.04 3.23	4.47 4.05	4.87	4.87	30	
31	1.79 2.20	3.19 3.43			2.17 1.83	2.72 2.97	2.29 2.20	3.03 3.24					31
MAXIMUM	4.41		4.36		4.35		4.27		4.55		NR		MAXIMUM
MINIMUM	0.43		1.53		1.28		1.30		2.10		NR		MINIMUM

NR - NO RECORD

LOCATION: LAT. 37 46 27, LONG. 121 19 44, NE SEC. 52, T1S, R5E,
500 FEET BELOW SAN JOAQUIN RIVER, 3.0 MILES WEST
OF LATHROP.

PERIOD OF RECORD: 1972 TO DATE

TABLE A-12 (CONTINUED)
DAILY TIDES
895400 OLD RIVER AT HEAD
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	NR	NR	2.54 2.85	1.79 0.95	3.94 3.73	3.22 2.90	2.67 1.73	1.20 0.77	3.32 0.94	0.41 0.04	2.84 2.02	0.84 1.34	01
02	4.12 4.17	3.70 3.16	2.50 2.30	1.62 0.62	4.29 3.88	3.51 3.33	2.88 1.50	0.98 0.78	2.45 1.94	0.32 1.04	2.76 2.00	0.73 1.21	02
03	3.05 3.75	3.29 2.68	2.22 2.01	1.23 0.72	4.49 3.97	3.63 3.62	2.93 1.64	0.70 1.15	2.89 1.53	0.35 1.14	2.74 2.14	0.78 1.04	03
04	3.47 3.40	3.01 2.31	2.50 1.94	1.46 1.08	4.81 4.41	3.96 4.23	3.23 1.90	0.75 1.42	3.17 2.11	0.62 1.42	1.13 0.79	2.66 2.22	04
05	3.18 3.13	2.66 2.13	2.51 2.14	1.62 1.48	5.56 4.95	4.51 4.52	3.40 1.94	0.82 1.44	2.96 2.26	0.61 1.38	1.10 1.60	2.63 2.56	05
06	2.99 2.92	2.36	2.58 2.21	1.61 1.64	5.50 4.80	4.23 4.39	3.54 2.36	0.97 1.82	2.88 2.27	0.40	1.32 1.25	2.76 2.80	06
07	2.06 2.32	2.93 3.08	2.84 2.49	1.73 1.97	5.43 4.82	4.21	3.80 2.48	1.11	1.12 0.31	2.51 1.77	1.47 1.46	2.79 3.01	07
08	2.24 2.34	3.14 3.17	3.12 2.74	1.90	4.50 4.38	5.61 4.93	1.72 0.95	3.71 2.39	0.69 0.30	2.36 1.80	1.60 1.62	2.83 3.35	08
09	2.45 2.68	3.33 3.49	2.21 1.99	3.40 2.91	4.62 4.47	5.66 5.07	1.62 1.10	3.75 2.59	0.66 0.42	2.26 1.92	1.59 1.67	2.69 3.39	09
10	2.89 2.89	3.63 3.61	2.31 2.03	3.46 2.71	4.79 4.65	5.84 5.31	1.59 1.04	3.60 2.51	0.75 0.52	2.12 2.20	1.81 1.70	2.70 3.47	10
11	3.02 2.94	3.75 3.81	2.20 1.76	3.33 2.31	4.99 4.80	6.08 5.42	1.48 0.80	3.28 2.48	0.91 0.81	2.15 2.69	1.53 1.90	2.63 2.07	11
12	3.15 2.85	3.85 3.49	1.90 1.58	3.17 2.56	4.96 4.46	5.88 4.98	1.28 0.77	3.64 2.63	1.06 0.89	2.10	3.61 2.74	1.61 2.07	12
13	3.01 2.75	3.91 3.49	2.08 1.68	3.38 3.16	4.39 3.57	5.12	1.24 0.84	2.84	2.77 1.85	0.91 0.88	3.66 2.79	1.64 2.21	13
14	3.09 2.77	4.14 3.58	2.61 2.18	3.96 3.28	4.47 4.90	3.90 3.71	3.05 2.86	1.42 1.94	2.68 1.72	0.73 0.97	3.55 2.71	1.61 1.98	14
15	2.98 2.38	3.82 3.18	2.70 2.14	4.05	4.93 5.08	4.31 4.26	3.25 2.24	1.18 0.87	2.63 1.95	0.57 1.22	3.32 2.41	1.50 1.93	15
16	2.70 2.14	3.71	3.29 3.82	2.68 2.15	5.35 5.08	4.61 4.44	2.91 1.81	0.76 0.66	2.84 1.83	0.62 1.26	3.21 2.84	1.48	16
17	2.99 3.60	2.53 1.94	3.38 3.49	2.67 2.04	5.39 4.99	4.57 4.57	3.11 2.13	0.82 1.30	2.72 1.89	0.60 1.28	1.77 1.44	3.08 2.93	17
18	2.93 3.13	2.34 1.63	3.31 3.48	2.54 2.33	5.55 4.92	4.60 4.60	3.50 2.23	0.94 1.43	2.70 2.19	0.60 1.43	1.76 1.55	3.04 3.01	18
19	2.73 2.80	2.98 1.36	3.85 3.55	2.60 2.61	5.65 4.90	4.58 4.49	3.57 2.37	0.93 1.56	2.87 2.35	1.04	1.63 1.59	3.04 3.00	19
20	2.55 2.71	1.93 1.44	4.38 3.90	3.19 2.45	5.42 4.39	4.04 3.85	3.58 2.50	1.61 1.05	1.54 1.15	2.86 2.46	1.66 1.47	2.74 2.79	20
21	2.76 3.04	1.88 1.88	3.74 3.17	2.53 2.48	4.80 3.37	2.81	3.62 2.43	0.98	1.58 1.19	2.87 2.61	1.56 1.55	2.79 2.78	21
22	3.17 3.09	2.00	4.02 3.29	2.57	2.76 2.14	4.31 3.12	1.50 0.85	3.51 2.37	1.64 1.19	2.86 2.54	1.50 1.50	2.49 2.85	22
23	1.70 1.57	3.01 2.72	2.64 2.56	4.19 3.32	2.47 2.00	4.18 3.03	1.42 0.77	3.27 2.41	1.45 1.09	2.43 2.46	1.37 1.26	2.23 2.62	23
24	1.59 1.52	3.04 2.93	2.67 2.52	4.27 3.35	2.29 1.64	3.86 2.79	1.36 0.73	3.25 2.43	1.35 1.05	2.43 2.34	1.08 1.13	1.95 2.58	24
25	1.91 1.64	3.45 2.93	2.79 2.60	4.35 3.43	1.99 1.25	3.45 2.55	1.29 0.73	3.10 2.52	1.18 1.04	2.26 2.65	0.96 1.14	1.99 2.81	25
26	1.85 1.49	3.32 2.57	2.86 2.61	4.42 3.59	1.75 1.06	3.16 2.56	1.32 0.75	2.98 2.71	1.28 1.22	2.34 2.83	0.94 1.09	1.99 2.88	26
27	1.72 1.47	3.16 2.52	3.03 2.65	4.48 3.57	1.71 1.02	3.15 2.61	1.32 1.05	2.94 3.15	1.10 0.90	1.93 2.58	0.74 1.88	2.22 2.77	27
28	1.77 1.38	3.16 2.55	3.04 2.61	4.23	1.65 0.91	2.83	1.55 0.95	2.76 3.11	0.78 0.84	1.61 2.50	3.24 2.25	0.74 1.68	28
29	1.81 1.20	3.16 2.55	3.52 4.02	2.97 2.40	2.64 2.58	1.52 0.93	1.25 0.80	2.27	0.55 1.02	1.48	2.93 2.43	0.66 1.52	29
30	1.84 1.08	3.11	3.57 3.99	3.67 2.55	2.76 2.12	1.46 0.87	2.88 1.60	0.88 0.52	2.53 1.49	0.48 1.23	2.99 2.41	0.74 1.41	30
31			3.85 3.87	3.20 2.64			2.92 1.47	0.61 0.70	2.75 1.66	0.60 1.31			31
MAXIMUM	NR		4.48		6.08		3.80		3.17		3.66		MAXIMUM
MINIMUM	NR		0.62		0.87		0.52		0.30		0.66		MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 7.1 - 1-18-73

ZERO OF GAGE: 1972 TO DATE 0.00 USCGS

TABLE B-12 (CONTINUED)

DAILY TIDES

BURTAD SAN JOAQUIN RIVER AT BRANT BRIDGE
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	4.27 4.41	6.44 6.97	4.56 5.18	6.35 7.46	4.06 5.01	6.22 7.55	3.28 4.19	5.91 6.52	4.24 4.35	6.73 6.18	4.28 4.23	7.02 6.41	01
02	4.49 4.85	6.54 7.27	4.45 5.19	6.36 7.41	4.10 5.15	6.43 7.39	3.61 4.07	6.17 5.99	4.61 4.61	7.41 6.11	4.27 3.95	6.91 5.80	02
03	4.59 4.76	6.57 7.13	4.32 5.13	6.25 7.24	4.15 5.00	6.49 7.18	3.27 3.55	5.96 5.39	4.43 4.16	7.18 6.02	4.02 3.74	6.68 5.73	03
04	4.28 4.74	6.36 7.19	4.28 5.13	6.22 7.15	4.04 5.62	7.20 7.28	3.13 3.76	6.32 6.32	6.08 7.53	4.99 4.26	5.73 6.97	4.50 3.96	04
05	4.26 4.84	6.27 7.24	4.30 5.11	6.35 6.92	4.50 5.84	6.79 6.24	5.17 6.32	3.47 6.32	5.98 7.13	4.82 5.24	6.06 7.10	4.91 4.03	05
06	4.15 4.94	6.11 7.08	4.13 4.86	6.29 6.41	4.03 4.53	6.61 6.53	5.00 6.83	3.72 3.83	5.91 7.12	5.02 4.26	6.18 6.95	5.05 3.95	06
07	3.46 5.05	6.13 7.31	3.83 4.69	6.48 6.78	5.49 6.78	4.07 4.37	5.59 6.93	4.19 3.66	4.62 5.49	6.35 7.43	5.97 7.28	4.83 4.66	07
08	4.17 5.13	6.32 7.37	4.43 6.43	3.84 4.16	5.76 6.70	4.25 4.13	5.90 7.68	4.85 6.42	5.01 5.71	6.65 7.56	6.77 7.17	5.29 4.69	08
09	4.02 4.94	6.40 7.37	5.95 6.44	3.72 3.93	5.84 6.97	4.41 4.16	4.42 4.73	6.15 7.10	5.28 6.00	7.24 7.90	6.63 7.12	5.21 4.69	09
10	6.53 6.41	3.43 4.69	5.78 6.51	3.74 3.78	5.84 7.14	4.58 7.14	3.74 4.42	5.65 6.95	5.77 6.02	7.46 7.70	4.64 5.09	6.75 7.19	10
11	6.72 6.44	3.91 4.27	5.74 6.66	3.87 3.87	4.24 4.79	5.93 7.25	3.78 4.43	5.68 6.86	5.70 6.02	6.99 7.42	4.97 5.14	6.93 7.15	11
12	6.56 6.46	3.76 4.08	5.80 6.84	3.76 4.87	4.21 4.97	5.97 7.29	3.67 4.22	5.62 6.44	5.31 5.70	7.03 7.47	4.91 5.66	6.89 6.90	12
13	6.43 6.65	3.99 4.31	5.78 6.93	3.93 4.14	4.32 4.90	6.07 7.13	3.36 4.00	5.41 6.35	5.47 5.46	7.39 7.52	4.93 5.23	6.97 7.09	13
14	4.06 4.60	6.42 6.79	3.98 4.54	4.07 4.35	3.98 4.62	5.80 6.96	3.29 3.97	5.55 6.16	5.85 6.23	7.60 7.29	5.16 5.05	6.99 6.69	14
15	4.03 4.10	6.28 6.77	4.17 4.74	4.27 4.32	4.01 4.66	5.83 6.70	3.23 4.10	5.71 6.14	5.91 6.00	7.44 7.03	5.25 5.09	7.05 6.76	15
16	3.45 4.16	6.17 6.91	3.48 4.82	4.15 4.18	3.82 4.63	5.75 6.58	3.40 4.18	5.92 6.81	5.41 6.11	7.62 6.65	5.73 5.41	7.63 6.62	16
17	3.92 4.32	6.16 7.12	3.92 4.75	4.12 6.78	3.94 4.81	6.03 6.50	3.45 3.98	5.79 6.30	5.73 5.57	7.24 6.19	5.43 4.98	7.15 6.45	17
18	3.44 4.59	6.16 7.14	3.67 4.95	4.13 6.74	3.83 4.66	6.07 5.96	3.39 3.81	5.87 6.01	5.41 5.05	7.00 6.24	5.65 5.25	7.32 6.37	18
19	4.04 4.93	6.39 7.26	3.72 4.71	6.03 6.11	3.55 4.41	5.93 5.49	3.45 3.58	5.84 4.60	5.41 7.08	5.34 4.98	5.65 5.13	7.37 6.76	19
20	4.20 5.11	6.42 7.40	3.50 4.78	6.05 6.10	3.41 4.14	5.89 5.01	3.46 3.51	6.03 6.03	6.17 7.34	5.67 4.86	6.42 7.18	5.74 4.85	20
21	4.14 4.70	6.17 6.84	3.41 4.68	7.07 6.14	3.34 4.10	5.99 5.07	4.79 6.29	3.80 3.27	6.11 7.32	5.59 4.67	6.34 6.93	5.72 5.36	21
22	3.94 5.07	6.20 6.59	3.43 4.25	7.03 6.46	3.62 3.78	6.31 6.31	4.89 6.60	4.10 3.52	5.47 6.92	5.67 4.63	7.28 7.67	6.15 5.53	22
23	4.06 4.87	6.32 7.12	5.25 6.11	3.55 3.76	4.76 6.22	3.57 3.37	5.17 6.90	4.41 3.71	4.38 4.88	5.99 6.97	7.16 7.54	6.82 5.52	23
24	6.11 6.36	4.76 4.77	5.05 6.11	3.54 3.74	4.63 6.23	3.59 3.18	5.46 7.07	4.36 6.32	4.31 4.67	6.12 7.08	7.21 7.63	5.86 5.56	24
25	6.10 6.57	4.35 4.81	5.46 6.69	4.03 3.83	4.97 6.86	3.90 4.62	3.84 5.19	4.62 4.69	4.33 4.69	6.43 7.17	7.99 8.63	6.55 5.86	25
26	6.37 6.87	4.45 4.92	5.54 6.82	4.20 4.02	3.43 4.31	5.47 7.05	3.95 4.75	5.94 7.37	4.49 4.88	6.65 6.93	6.17 6.32	7.75 7.84	26
27	6.41 6.70	4.74 4.74	3.45 4.48	5.75 7.07	3.60 4.45	5.70 7.43	3.96 4.47	5.90 7.26	4.44 4.62	6.64 6.62	5.90 6.10	7.87 7.62	27
28	6.70 7.84	5.28 6.28	3.91 4.66	5.95 7.23	4.00 4.97	6.31 7.42	3.79 4.91	5.85 6.90	4.23 4.15	6.76 6.41	5.71 5.44	7.69 6.95	28
29	5.22 5.03	6.58 7.28	3.94 4.62	5.99 7.28	4.22 4.78	6.15 7.28	3.63 4.11	6.08 6.65			5.47 5.24	7.78 6.95	29
30	4.60 4.99	6.39 7.21	3.98 4.84	6.14 7.40	3.79 4.84	5.92 7.32	3.84 4.24	6.30 6.50			5.47 5.21	7.77 6.99	30
31	4.58 5.06	6.31 7.35			4.10 4.84	5.88 6.39	3.94 3.84	6.39 6.57			5.76 5.66	8.19 7.86	31
MAXIMUM	7.44		7.46		7.55		7.64		7.90		8.63		MAXIMUM
MINIMUM	3.78		3.50		3.14		3.13		4.15		3.74		MINIMUM

LOCATION: LAT. 37 51 53, LONG. 121 19 18, 1M SEC. 9, T15, REF.
ON BOMMAR ROAD BETWEEN ROBERTS ISLAND AND R.D. 17.PERIOD OF RECORD: JULY 1940 TO SEPT 1966
JAN 1968 TO DATE

TABLE H-12 (CONTINUED)

DAILY TIDES

H95740 SAN JOAQUIN RIVER AT RAYMONT BRIDGE
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	5.87	7.45	4.62	6.45	7.06	5.46	6.32	3.65	6.60	3.25	6.79	3.24	01
	6.00	6.35	3.27		6.66	4.69	5.05	3.44	5.10	4.14	5.44	4.19	
02	5.35	6.79	5.96	4.44	7.20	5.32	6.41	3.54	6.75	3.12	6.73	3.14	02
	6.62	6.74	5.86	4.44	6.23	4.73	6.41	3.71	5.27	4.10	5.74	4.09	
03	6.16	5.19	5.93	4.04	7.16	5.08	6.49	3.32	6.44	3.12	6.40	3.25	03
	6.62	6.74	5.54	4.03	6.30	4.98	6.49	4.13	5.44	4.42	5.93	3.92	
04	6.24	5.10	6.24	4.08	7.38	5.14	6.76	3.37	7.14	3.41	6.77	3.32	04
	6.48	6.10	5.33	3.14	6.32	5.62	5.11	4.45	5.93	4.58	6.04	3.85	
05	6.44	4.92	6.20	3.78	7.08	5.73	6.95	3.24	7.23	3.40	6.78	3.64	05
	6.23	3.94	5.20	3.40	7.04	6.04	5.43	4.41	6.01	4.47	6.42		
06	6.38	4.55	6.03	3.41	7.15	5.55	7.12	3.41	7.18	3.35	6.94	6.01	06
	6.23	3.92	5.36	3.66	7.05	5.47	6.80	4.71	5.43	4.17	6.85	6.72	
07	6.36	4.38	6.30	3.54	6.83	5.35	7.33	3.59	6.73	3.61	6.74	6.72	07
	6.25	4.08	6.45	3.98	6.95	6.05	5.03	4.08	6.02	4.02	6.02	6.96	
08	6.54	4.24	6.56	3.69	6.23	5.44	7.24	3.44	6.62	6.43	6.10	6.65	08
	6.39		5.40	4.30	7.05	6.10	6.40	4.54	5.03	5.07	6.17	7.18	
09	6.25	6.62	6.87	3.81	6.17	5.42	7.28	3.55	6.31	6.46	6.04	6.37	09
	6.37	6.43	6.09	4.48	7.10		6.02		5.16	6.16	6.18	7.23	
10	6.61	6.40	6.93	3.82	6.21	6.32	6.43	3.76	6.68	6.37	6.11	6.34	10
	6.43	6.53	6.06		6.01	7.41	5.50	6.05	5.32	6.42	6.45	7.32	
11	6.75	6.41	6.42	6.84	6.48	6.81	6.35	6.92	6.44	6.36	6.43	6.26	11
	6.44	6.59	3.57	5.77	6.90	7.54	5.35	6.07	5.71	6.45	6.70	7.36	
12	6.44	7.10	6.19	6.77	6.50	6.41	6.17	6.01	6.49	6.04	6.06	6.30	12
	6.37	6.42	3.38	5.87	5.52	7.26	5.32	6.24	5.85	6.45	6.44	7.35	
13	6.49	7.20	6.44	7.00	6.01	7.80	6.08	6.44	6.40	5.78	6.74	6.37	13
	6.36	6.53	3.63	6.46	6.42	7.27	5.44	6.62	5.91	6.49	6.44		
14	6.17	7.44	6.22	7.46	5.43	7.76	6.28	6.44	5.54	6.46	7.23	7.94	14
	6.40	6.48	4.24	6.47	5.14	7.61	5.78	6.88	4.12	6.46	6.45	6.65	
15	5.10	7.15	5.12	7.30	6.93	7.51	6.00	6.74	6.40	5.44	6.47	7.42	15
	3.49	6.14	4.01	6.44	5.47		5.44		5.73	6.31	6.31	6.56	
16	6.48	7.36	6.09	7.12	7.72	5.92	6.63	3.51	7.04	3.44	6.41	3.77	16
	3.41	6.06	5.45	6.53	7.09	5.42	5.35	3.51	5.82	6.44	6.24	4.13	
17	5.80	6.95	6.98	6.72	7.73	5.71	6.79	3.50	6.43	3.32	6.74	3.81	17
	3.87		3.74		6.93	6.69	5.62	4.24	6.93	4.39	6.47	4.30	
18	6.10	6.46	6.46	6.74	7.42	5.61	7.14	3.52	6.47	3.34	6.74	3.94	18
	6.54	3.44	6.58	4.17	6.70	5.71	5.74	4.44	5.40	4.25	6.58		
19	6.40	6.58	6.98	6.85	6.84	6.54	7.17	3.44	6.41	3.30	6.46	6.70	19
	6.19	3.24	6.45	6.59	6.73	6.66	5.88	6.54	5.47	4.22	6.42	6.44	
20	5.44	6.20	7.60	6.25	7.40	6.14	7.17	3.51	6.71	3.44	6.12	6.17	20
	6.08	3.38	6.36	6.69	6.63	6.56	5.38	6.54	6.11		3.41	6.40	
21	6.40	6.14	6.40	6.14	7.07	6.48	7.17	3.47	6.40	6.75	3.31	6.33	21
	6.19	3.42	5.98	6.31	6.36	5.81	5.95	6.44	5.41	6.12	3.47	6.47	
22	6.05	6.23	7.20	6.22	7.63	6.08	7.04	3.44	6.35	6.72	3.41	6.11	22
	6.41	3.42	6.18	6.55	6.35	6.94	5.90		5.44	6.24	3.47	6.44	
23	6.54	3.49	7.19	6.26	7.52	3.94	6.37	7.0	6.10	6.48	3.64	5.78	23
	6.08	3.40	6.30	6.45	6.28		5.42	6.01	4.57	6.25	3.80	6.32	
24	6.72	3.60	7.41	6.20	6.44	7.42	6.37	6.42	5.47	6.24	3.44	6.40	24
	6.45		6.37		5.93	6.09	5.40	6.02	5.55	6.21	3.42	6.44	
25	6.36	7.10	6.42	7.62	6.56	6.84	6.27	6.44	5.41	6.09	3.44	6.44	25
	3.48	6.74	6.24	6.39	6.33	5.90	5.36	6.11	5.71	6.44	6.24	6.44	
26	6.24	7.03	6.95	7.41	6.44	6.44	6.30	6.54	6.05	6.17	3.84	6.44	26
	3.58	6.54	6.28	6.46	5.44	5.35	5.44	6.24	4.11	6.17	6.41	6.44	
27	6.16	7.01	6.23	7.66	6.46	6.44	6.36	6.44	5.93	6.45	4.22	6.10	27
	3.52	6.54	6.31	6.27	6.02		6.47	6.47	5.78	6.47	5.04	7.02	
28	6.44	6.40	6.25	7.44	6.40	6.20	6.54	6.24	5.43	6.26	4.13	6.15	28
	3.42	5.41	6.31	6.46	5.14	6.06	5.84	6.44	5.78	6.47	6.47	6.44	
29	6.41	6.43	6.20	7.13	6.41	5.92	6.24	6.74	5.23	5.10	3.90	6.20	29
	3.40	5.45	3.47	6.40	6.37	5.14	5.71	6.44	4.02	6.43	4.41		
30	6.50	6.73	6.19	7.01	6.12	5.34	5.84	6.21	5.49	6.23	6.44	6.04	30
	3.40	5.44	4.20		6.40		5.56	6.47	4.32		6.18	6.44	
31			6.46	6.43			5.49	6.44	6.47	5.47			31
			6.75	6.39			6.01						
MAXIMUM	7.44		7.66		6.41		7.43		7.23		7.36		MAXIMUM
MINIMUM	3.24		2.98		3.14		3.24		4.41		3.16		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 19.5 - 12-10-50
MAXIMUM OF RECORD IS MAXIMUM RECORDED STAGE

ZERO OF GAGE: 1940 " 1944 " 1945 " 1946 " 1947 " 1948 " 1949 " 1950 " 1951 " 1952 " 1953 " 1954 " 1955 " 1956 " 1957 " 1958 " 1959 " 1960 " 1961 " 1962 " 1963 " 1964 " 1965 " 1966 " 1967 " 1968 " 1969 " 1970 " 1971 " 1972 " 1973 " 1974 " 1975 " 1976 " 1977 " 1978 " 1979 " 1980 " 1981 " 1982 " 1983 " 1984 " 1985 " 1986 " 1987 " 1988 " 1989 " 1990 " 1991 " 1992 " 1993 " 1994 " 1995 " 1996 " 1997 " 1998 " 1999 " 2000 " 2001 " 2002 " 2003 " 2004 " 2005 " 2006 " 2007 " 2008 " 2009 " 2010 " 2011 " 2012 " 2013 " 2014 " 2015 " 2016 " 2017 " 2018 " 2019 " 2020 " 2021 " 2022 " 2023 " 2024 " 2025 " 2026 " 2027 " 2028 " 2029 " 2030 " 2031 " 2032 " 2033 " 2034 " 2035 " 2036 " 2037 " 2038 " 2039 " 2040 " 2041 " 2042 " 2043 " 2044 " 2045 " 2046 " 2047 " 2048 " 2049 " 2050 " 2051 " 2052 " 2053 " 2054 " 2055 " 2056 " 2057 " 2058 " 2059 " 2060 " 2061 " 2062 " 2063 " 2064 " 2065 " 2066 " 2067 " 2068 " 2069 " 2070 " 2071 " 2072 " 2073 " 2074 " 2075 " 2076 " 2077 " 2078 " 2079 " 2080 " 2081 " 2082 " 2083 " 2084 " 2085 " 2086 " 2087 " 2088 " 2089 " 2090 " 2091 " 2092 " 2093 " 2094 " 2095 " 2096 " 2097 " 2098 " 2099 " 2100 " 2101 " 2102 " 2103 " 2104 " 2105 " 2106 " 2107 " 2108 " 2109 " 2110 " 2111 " 2112 " 2113 " 2114 " 2115 " 2116 " 2117 " 2118 " 2119 " 2120 " 2121 " 2122 " 2123 " 2124 " 2125 " 2126 " 2127 " 2128 " 2129 " 2130 " 2131 " 2132 " 2133 " 2134 " 2135 " 2136 " 2137 " 2138 " 2139 " 2140 " 2141 " 2142 " 2143 " 2144 " 2145 " 2146 " 2147 " 2148 " 2149 " 2150 " 2151 " 2152 " 2153 " 2154 " 2155 " 2156 " 2157 " 2158 " 2159 " 2160 " 2161 " 2162 " 2163 " 2164 " 2165 " 2166 " 2167 " 2168 " 2169 " 2170 " 2171 " 2172 " 2173 " 2174 " 2175 " 2176 " 2177 " 2178 " 2179 " 2180 " 2181 " 2182 " 2183 " 2184 " 2185 " 2186 " 2187 " 2188 " 2189 " 2190 " 2191 " 2192 " 2193 " 2194 " 2195 " 2196 " 2197 " 2198 " 2199 " 2200 " 2201 " 2202 " 2203 " 2204 " 2205 " 2206 " 2207 " 2208 " 2209 " 2210 " 2211 " 2212 " 2213 " 2214 " 2215 " 2216 " 2217 " 2218 " 2219 " 2220 " 2221 " 2222 " 2223 " 2224 " 2225 " 2226 " 2227 " 2228 " 2229 " 2230 " 2231 " 2232 " 2233 " 2234 " 2235 " 2236 " 2237 " 2238 " 2239 " 2240 " 2241 " 2242 " 2243 " 2244 " 2245 " 2246 " 2247 " 2248 " 2249 " 2250 " 2251 " 2252 " 2253 " 2254 " 2255 " 2256 " 2257 " 2258 " 2259 " 2260 " 2261 " 2262 " 2263 " 2264 " 2265 " 2266 " 2267 " 2268 " 2269 " 2270 " 2271 " 2272 " 2273 " 2274 " 2275 " 2276 " 2277 " 2278 " 2279 " 2280 " 2281 " 2282 " 2283 " 2284 " 2285 " 2286 " 2287 " 2288 " 2289 " 2290 " 2291 " 2292 " 2293 " 2294 " 2295 " 2296 " 2297 " 2298 " 2299 " 2300 " 2301 " 2302 " 2303 " 2304 " 2305 " 2306 " 2307 " 2308 " 2309 " 2310 " 2311 " 2312 " 2313 " 2314 " 2315 " 2316 " 2317 " 2318 " 2319 " 2320 " 2321 " 2322 " 2323 " 2324 " 2325 " 2326 " 2327 " 2328 " 2329 " 2330 " 2331 " 2332 " 2333 " 2334 " 2335 " 2336 " 2337 " 2338 " 2339 " 2340 " 2341 " 2342 " 2343 " 2344 " 2345 " 2346 " 2347 " 2348 " 2349 " 2350 " 2351 " 2352 " 2353 " 2354 " 2355 " 2356 " 2357 " 2358 " 2359 " 2360 " 2361 " 2362 " 2363 " 2364 " 2365 " 2366 " 2367 " 2368 " 2369 " 2370 " 2371 " 2372 " 2373 " 2374 " 2375 " 2376 " 2377 " 2378 " 2379 " 2380 " 2381 " 2382 " 2383 " 2384 " 2385 " 2386 " 2387 " 2388 " 2389 " 2390 " 2391 " 2392 " 2393 " 2394 " 2395 " 2396 " 2397 " 2398 " 2399 " 2400 " 2401 " 2402 " 2403 " 2404 " 2405 " 2406 " 2407 " 2408 " 2409 " 2410 " 2411 " 2412 " 2413 " 2414 " 2415 " 2416 " 2417 " 2418 " 2419 " 2420 " 2421 " 2422 " 2423 " 2424 " 2425 " 2426 " 2427 " 2428 " 2429 " 2430 " 2431 " 2432 " 2433 " 2434 " 2435 " 2436 " 2437 " 2438 " 2439 " 2440 " 2441 " 2442 " 2443 " 2444 " 2445 " 2446 " 2447 " 2448 " 2449 " 2450 " 2451 " 2452 " 2453 " 2454 " 2455 " 2456 " 2457 " 2458 " 2459 " 2460 " 2461 " 2462 " 2463 " 2464 " 2465 " 2466 " 2467 " 2468 " 2469 " 2470 " 2471 " 2472 " 2473 " 2474 " 2475 " 2476 " 2477 " 2478 " 2479 " 2480 " 2481 " 2482 " 2483 " 2484 " 2485 " 2486 " 2487 " 2488 " 2489 " 2490 " 2491 " 2492 " 2493 " 2494 " 2495 " 2496 " 2497 " 2498 " 2499 " 2500 " 2501 " 2502 " 2503 " 2504 " 2505 " 2506 " 2507 " 2508 " 2509 " 2510 " 2511 " 2512 " 2513 " 2514 " 2515 " 2516 " 2517 " 2518 " 2519 " 2520 " 2521 " 2522 " 2523 " 2524 " 2525 " 2526 " 2527 " 2528 " 2529 " 2530 " 2531 " 2532 " 2533 " 2534 " 2535 " 2536 " 2537 " 2538 " 2539 " 2540 " 2541 " 2542 " 2543 " 2544 " 2545 " 2546 " 2547 " 2548 " 2549 " 2550 " 2551 " 2552 " 2553 " 2554 " 2555 " 2556 " 2557 " 2558 " 2559 " 2560 " 2561 " 2562 " 2563 " 2564 " 2565 " 2566 " 2567 " 2568 " 2569 " 2570 " 2571 " 2572 " 2573 " 2574 " 2575 " 2576 " 2577 " 2578 " 2579 " 2580 " 2581 " 2582 " 2583 " 2584 " 2585 " 2586 " 2587 " 2588 " 2589 " 2590 " 2591 " 2592 " 2593 " 2594 " 2595 " 2596 " 2597 " 2598 " 2599 " 2600 " 2601 " 2602 " 2603 " 2604 " 2605 " 2606 " 2607 " 2608 " 2609 " 2610 " 2611 " 2612 " 2613 " 2614 " 2615 " 2616 " 2617 " 2618 " 2619 " 2620 "

TABLE H-12 (CONTINUED)

DAILY TIDES

895660 STOCKTON SHIP CHANNEL AT MURNS CUTOFF
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.96 6.53	3.00	2.46 3.74	5.66 6.99	2.51 4.10	5.76 7.26	1.84 3.08	5.49 6.17	2.96 3.09	6.51 5.83	3.03 2.94	6.76 6.00	01
02	2.92 3.61	6.06 6.85	2.59 4.02	5.78 6.95	2.57 4.21	5.98 7.07	2.08 2.90	5.75 5.57	3.54 3.23	7.09 5.67	3.12 2.60	6.63 5.37	02
03	3.07 3.57	6.10 6.75	2.44 3.89	5.68 6.79	2.45 4.06	6.07 6.83	1.91 2.52	5.69 4.98	3.30 2.41	6.91 5.28	2.95 2.31	6.37 5.28	03
04	2.60 3.64	5.90 6.84	2.31 3.90	5.62 6.64	3.22 4.48	6.71 6.86	1.94 2.45	6.04 4.64	5.69 7.33	4.29 2.92	3.61 2.68	6.69 5.68	04
05	2.82 3.84	5.80 6.88	2.35 3.91	5.76 6.41	2.62 3.62	6.29 5.78	2.17 2.14	5.98 5.44	5.44 6.74	3.82 2.51	5.62 6.78	4.09 2.65	05
06	2.66 3.97	5.65 6.75	2.27 3.64	5.75 5.94	2.34 3.04	6.14 5.22	4.54 6.57	2.67 2.49	5.30 6.61	3.78 2.46	5.76 6.64	4.28 2.54	06
07	2.49 4.25	5.70 7.00	2.19 3.65	6.05 6.02	2.41 2.77	6.29 5.22	5.15 6.80	3.38 2.43	5.59 6.83	3.94 2.67	5.62 6.99	4.00 3.31	07
08	2.82 4.34	5.91 6.72	2.35 2.98	5.99	5.15 6.24	2.66 2.39	5.50 7.41	4.10 3.02	5.82 6.93	3.97 2.95	6.31 6.76	4.19 3.00	08
09	2.58 4.09	5.98 6.57	5.51 6.09	2.36 2.64	5.00 6.51	2.98 2.37	5.67 6.72	3.75 2.11	6.46 7.28	4.23	6.11 6.69	3.92 2.92	09
10	2.51 3.63	6.02	5.33 6.16	2.31 2.38	5.23 6.75	3.32 2.41	5.18 6.60	3.49	3.67 4.17	6.72 7.06	6.24 6.66	3.69 3.10	10
11	6.37 6.08	2.57 3.16	5.28 6.29	2.66 2.31	5.34 6.01	3.54	2.05 3.42	5.17 6.53	3.09 3.75	6.17 6.72	6.40 6.63	3.66	11
12	6.16 6.05	2.41 2.81	5.32 6.53	2.94	2.35 3.67	5.38 6.83	1.99 3.15	5.11 6.08	2.92 3.62	6.19 6.74	3.16 3.36	6.37 6.33	12
13	6.03 6.27	2.63 2.67	2.30 3.32	5.50 6.80	2.45 3.66	5.52 6.67	1.70 3.01	4.93 5.99	3.19 4.05	6.71 6.70	3.11 3.50	6.39 6.48	13
14	5.98 6.46	2.80 2.59	2.44 3.60	5.64 7.02	2.08 3.45	5.22 6.51	1.83 3.13	5.14 5.88	3.50 4.00	6.76 6.22	3.36 3.06	6.36 6.00	14
15	5.87 6.45	2.88	2.64 3.85	5.82 7.02	2.10 3.49	5.25 6.25	1.91 3.11	5.28 5.71	3.30 3.47	6.42 5.72	3.28 2.98	6.43 6.00	15
16	2.40 3.09	5.74 6.84	2.49 3.94	5.70 6.86	1.93 3.49	5.16 6.09	1.98 3.04	5.46 5.37	3.26 3.58	6.68 5.09	4.03 3.29	7.02 5.75	16
17	2.41 3.30	5.75 6.70	2.42 3.89	5.67 6.44	2.04 3.70	5.56 6.03	1.92 2.76	5.33 4.80	3.24 3.13	6.23 4.76	3.58 2.72	6.47 5.55	17
18	2.37 3.56	5.71 6.78	2.20 4.13	5.72 6.35	2.04 3.60	5.57 5.49	1.90 2.57	5.34 4.47	3.28 2.74	6.16 4.60	3.42 2.85	6.59 5.42	18
19	2.55 4.01	5.95 6.93	2.26 3.85	5.57 5.72	1.90 3.36	5.48 4.98	2.10 2.24	5.45 4.02	3.64 2.73	6.41 5.22	4.10 3.11	6.73 5.61	19
20	2.75 4.26	5.99 6.69	2.07 3.98	5.64 5.74	1.88 3.01	5.43 4.44	2.35 2.22	5.66 4.02	5.22 6.66	4.21 2.41	4.38 2.64	6.53 5.63	20
21	2.56 4.07	5.72 6.18	2.51 4.70	6.80 5.68	1.98 3.04	5.61 4.50	4.30 6.07	3.07 2.08	5.08 6.54	4.00 2.14	5.54 6.24	4.24 3.48	21
22	2.37 4.27	5.87 6.19	2.75 4.20	6.10 4.79	2.37 2.46	5.87	4.44 6.23	3.34 1.92	4.90 6.30	3.47 1.97	6.58 6.96	4.66 3.16	22
23	2.61 3.85	5.88 5.61	2.43 2.66	5.77	4.20 5.87	2.59 2.08	4.63 6.53	3.48 2.02	5.18 6.41	3.19 2.66	6.34 6.77	4.09 2.88	23
24	2.39 3.46	5.84	4.63 5.02	2.52 2.70	4.16 5.97	2.81 1.92	4.93 6.69	3.55 2.09	5.45 6.59	3.05 2.38	6.38 6.89	3.78 3.26	24
25	5.56 6.03	2.67 3.34	5.23 6.34	3.09 2.48	4.53 6.44	3.14 2.10	5.18 6.88	3.55 2.25	5.87 6.70	3.16	7.37 7.93	4.93 3.87	25
26	5.77 6.33	2.99 3.22	5.08 6.52	3.22 2.45	5.03 6.83	3.54 2.19	5.44 7.03	3.71	2.69 3.01	6.12 6.41	6.91 7.00	4.14	26
27	5.78 6.42	3.07 3.04	5.29 6.74	3.52 2.43	5.35 7.40	3.78	2.30 3.45	5.44 6.93	2.58 2.70	6.11 6.11	3.60 3.87	7.15 6.80	27
28	6.22 7.44	3.91 3.61	5.48 6.95	3.74	2.74 4.03	5.93 7.13	2.28 2.96	5.46 6.75	2.60 2.70	6.36 5.95	3.53 3.12	6.98 6.14	28
29	5.97 6.74	3.47 2.75	2.43 3.70	5.53 6.97	2.70 3.73	5.70	2.24 2.91	5.66 6.27			3.47 2.97	7.16 6.21	29
30	5.74 6.70	3.43	2.42 3.96	5.67 7.18	2.17 3.53	5.47 7.01	2.29 2.93	5.96 6.13			3.61 2.94	7.21 6.24	30
31	2.53 3.51	5.61 6.42			2.58 2.96	5.22 6.13	2.40 2.49	6.00 6.24			4.03 3.42	7.51 6.17	31
MAXIMUM	7.44		7.18		7.40		7.41		7.33		7.93		MAXIMUM
MINIMUM	2.37		2.07		1.88		1.70		1.97		2.31		MINIMUM

LOCATION: LAT. 37 57 46, LONG. 121 21 54, SW SEC. 6, T1N, R1E,
ON NORTH END OF ROUGH AND READY ISLAND, APPROXIMATELY
0.4 MILE ABOVE MURNS CUTOFF.

PERIOD OF RECORD: MAY 1940 TO DATE

TABLE A-12 (CONTINUED)

DAILY TIDES

H05660 STOCKTON SHIP CHANNEL AT HURNS CUTOFF
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.12 2.52	6.78 5.54	4.03 2.36	6.28 5.82	4.47 3.37	5.96	3.04 2.86	4.75 6.30	2.59 3.77	4.95	6.74 5.53	2.41 3.63	01
02	3.85 2.45	6.16	3.85 2.15	5.65	6.73 5.57	4.01 3.21	2.76 3.20	4.55	6.76 5.16	2.44 3.95	6.69 5.58	2.37 3.56	02
03	5.50 6.08	3.98 2.54	5.00 5.31	3.46 2.58	6.60 5.16	3.47 3.40	4.42 4.74	2.52 3.62	6.91 5.45	2.37 4.06	6.80 5.79	2.44 3.32	03
04	5.78 6.94	4.16 2.66	6.15 4.47	3.38 2.16	6.74 5.38	3.26 4.03	4.70 5.06	2.45 3.96	7.25 5.89	2.69 4.14	6.79 6.00	2.56 3.24	04
05	6.02 5.06	3.98 2.63	5.81 4.81	2.85 2.33	7.46 6.14	3.63 4.44	6.85 5.21	2.34 3.87	7.37 5.98	2.69 3.97	6.80 6.33	2.88 3.67	05
06	5.97 5.84	3.53 2.62	5.71 4.93	2.56 2.65	7.54 6.28	3.59 4.46	7.08 5.57	2.49 4.10	7.32 5.91	2.65 3.61	3.30 3.17	6.76 6.67	06
07	6.00 5.85	3.29 2.72	6.00 5.20	2.40 2.93	7.43 6.15	3.30 4.48	7.27 5.74	2.59 4.07	6.96 5.63	2.25 3.03	3.36 3.31	6.64 6.93	07
08	6.11 5.94	3.02 2.47	6.25 5.53	2.42 3.39	7.62 6.17	3.12 4.45	7.28 5.75	2.44 3.97	5.88 5.63	2.26 3.03	3.37 3.43	6.53 7.11	08
09	6.15 5.89	2.99 3.15	6.57 5.64	2.50 3.48	7.53 6.14	3.03 4.48	7.29 5.86	2.56 3.80	3.01 2.46	6.57 6.23	3.22 3.48	6.16 7.16	09
10	6.32 6.00	2.76 2.27	6.83 5.81	2.41 3.47	7.66 6.52	3.20	7.15 5.91	2.51	3.02 2.67	6.45 6.53	3.34 3.82	6.19 7.26	10
11	6.42 6.06	2.80	6.57 5.34	2.16 1.35	4.79 3.60	7.97 6.72	3.71 2.46	6.92 6.04	3.20 3.10	6.41 6.92	3.13 4.08	6.26 7.26	11
12	3.57 2.64	6.66 5.48	6.54 5.48	2.02	4.80 3.23	7.74 6.45	3.53 2.47	6.59 6.21	3.35 3.34	6.05 7.04	3.14 4.29	6.03 7.21	12
13	3.61 2.71	6.77 6.64	3.69 2.38	6.66 6.16	4.41 3.09	7.21 6.72	3.38 2.61	6.35 6.61	3.14 3.41	5.71 6.98	3.07 4.36	6.13 7.21	13
14	4.08 2.98	7.06 6.10	4.52 3.01	7.36 6.08	4.74 3.42	7.24 7.05	3.57 3.05	6.32 6.90	2.93 3.68	5.56 7.01	7.02 6.11	2.97 4.04	14
15	4.02 2.27	6.75 5.66	4.28 2.63	6.94 6.07	4.57 3.45	6.86 7.03	3.24 2.73	5.66 6.65	2.79 3.43	5.64	6.81 6.07	2.83 3.82	15
16	4.05 2.38	6.66 5.62	4.23 2.53	6.74 6.13	3.96 3.14	6.20	2.75 2.96	5.14	7.13 5.79	2.74 3.97	6.62 5.99	2.78 3.51	16
17	4.28 2.51	6.60 5.76	4.04 2.26	6.32	7.00 6.00	3.55 3.60	6.82 5.49	2.68 3.75	7.01 6.02	2.60 3.97	6.52 6.16	2.87 3.45	17
18	4.69 2.21	6.14	6.05 6.13	3.73 2.84	7.14 5.61	3.24 3.62	7.14 4.59	2.65 3.92	6.91 5.74	2.48 3.61	6.54 6.34	3.10 3.52	18
19	5.52 5.96	3.75 1.91	6.55 6.13	3.63 3.36	7.40 5.69	3.22 3.56	7.17 5.73	2.57 3.94	6.75 5.74	2.41 3.52	6.48 6.31	3.12	19
20	5.35 5.73	3.34 2.13	7.21 5.71	3.30 2.43	7.43 5.78	2.70 4.03	7.20 5.84	2.54 4.00	6.59 5.88	2.45 3.46	3.21 2.93	6.14 6.16	20
21	5.92 6.06	3.16 2.60	6.49 5.49	2.62 2.49	7.34 5.84	2.78 4.00	7.14 5.82	2.55 3.65	6.71 6.15	2.69 3.62	2.95 3.11	6.11 6.25	21
22	6.34 6.10	3.22 2.66	6.49 5.69	2.61 3.33	7.40 5.96	2.61 4.04	7.10 4.95	2.50 3.60	6.62 6.08	2.76	2.84 3.12	5.84 6.19	22
23	6.37 5.78	2.54 2.74	7.02 5.81	2.70 3.55	7.26 5.96	2.61 4.12	7.05 5.95	2.54	3.35 2.75	6.34 6.13	2.62 2.93	5.44 6.06	23
24	6.57 6.29	2.47 3.46	7.16 5.89	2.59 3.86	7.13 5.79	2.61	3.81 4.61	6.98 5.97	3.20 2.75	6.13 6.10	2.34 3.11	5.26 6.15	24
25	7.07 6.60	2.74 1.36	7.28 6.40	2.54	7.76 6.05	6.69 5.64	3.69 2.53	6.68 6.07	3.07 3.62	5.95 6.34	2.39 3.46	5.27 6.35	25
26	6.95 5.76	2.17	3.88 2.62	7.22 6.20	7.66 6.09	6.46 5.74	3.72 2.73	6.55 6.27	3.39 3.54	6.05 6.65	2.60 3.86	5.54 6.59	26
27	3.32 2.27	6.47 5.64	4.20 2.75	7.27 6.08	3.74 2.14	6.35 5.83	3.75 3.18	6.42 6.61	3.32 3.23	5.48 6.41	2.78 4.29	5.64 6.63	27
28	3.44 2.20	6.73 5.43	4.20 2.62	6.90 6.62	3.71 2.13	5.94 5.90	3.87 3.20	6.16 6.67	2.85 3.30	5.05 6.36	2.71 4.10	5.68 6.68	28
29	3.72 2.17	6.44 5.72	4.18 2.31	6.69 6.15	3.63 2.47	5.65 6.02	3.61 3.12	5.63 6.50	2.53 3.57	4.87 6.36	2.56 3.61	5.74	29
30	3.95 2.20	6.50 5.77	4.47 2.67	6.54 6.51	3.37 2.63	5.88 6.19	3.23 3.11	5.02 6.44	2.39 3.97	5.84 6.62	6.47 5.93	2.70 3.70	30
31			4.60 3.80	6.36 6.60			2.84 3.38	4.74 6.54	2.36 4.84	5.29			31
MAXIMUM	7.07		7.36		7.47		7.24		7.37		7.26		MAXIMUM
MINIMUM	1.91		2.02		2.05		2.34		2.25		2.36		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 10.3 - 12-26-55

 ZERO OF GAGE: 1940 TO 1941 -4.27 USCGS
 1941 TO 1945 -4.39 USCGS
 1945 TO 1946 -4.70 USCGS
 1946 TO 1951 -5.00 USCGS
 1951 -5.02 USCGS
 1964 -5.53 USCGS
 1964 TO DATE -5.00 USCGS

TABLE B-12 (CONTINUE)

DAILY TIDES

R95020 SAN JOAQUIN RIVER AT RINDE PUMP
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.74 3.31	-0.06	-0.66 0.64	2.47 3.75	-0.35 0.98	2.58 4.05	-1.20 2.28	2.90 0.09	-0.02 3.42	2.71	-0.04 -0.12	3.53 2.79	01
02	-0.19 0.49	2.42 3.64	-0.48 0.91	2.57 3.77	-0.50 1.11	2.78 3.90	-0.97 2.36	0.47 0.18	3.90 2.48	0.11 -0.47	3.43 2.18	02	
03	-0.01 0.50	2.49 3.64	-0.62 0.79	2.46 3.58	-0.52 1.02	2.89 3.65	-1.15 2.44	0.22 1.79	3.71	-0.12 -0.75	3.17 2.08	03	
04	-0.26 0.57	2.70 3.63	-0.76 0.78	2.41 3.43	0.15 1.36	3.47 3.67	-1.13 -0.61	2.42 1.50	2.53 4.12	-1.20 -0.14	0.52 -0.40	3.49	04
05	-0.28 0.74	2.59 3.46	-0.72 0.79	2.54 3.21	-0.33 0.53	3.07 2.61	-0.89 -0.90	2.80 2.80	2.25 3.57	0.73 -0.56	2.44 3.58	0.98 -0.41	05
06	-0.41 0.64	2.44 3.44	-0.80 0.56	2.55 2.75	-0.73 0.01	2.91 2.03	1.37 3.39	-0.39 -0.57	2.11 3.41	0.68 -0.60	2.58 3.49	1.20 -0.52	06
07	-0.58 1.14	2.54 3.80	-0.88 0.56	2.85 2.82	-0.66 -0.47	3.08 3.60	1.96 3.60	0.29 -0.63	2.39 3.64	0.86 -0.40	2.47 3.86	0.99 0.26	07
08	-0.27 1.22	2.69 3.52	-0.72 -0.11	2.77 2.32	-0.98 3.01	-0.40 -0.67	2.31 4.19	1.01 -0.07	2.63 3.72	0.90 -0.15	3.11 3.57	1.11 -0.06	08
09	-0.44 0.99	2.75 3.38	-0.71 2.86	-0.71 -0.44	1.99 3.29	-0.10 -0.70	2.48 3.50	-0.64 -0.93	3.24 4.08	1.16 0.59	2.91 3.48	0.86 -0.16	09
10	-0.56 0.52	2.82 3.42	-0.57 2.94	-0.57 -0.69	2.03 3.53	0.23 -0.64	2.80 3.40	0.41 3.40	3.85 3.52	1.10	3.04 3.44	0.62 0.03	10
11	3.17 2.45	-0.50 0.60	2.07 3.06	-0.41 -0.75	2.14 3.00	0.44 -0.71	1.00 0.32	1.96 3.31	0.02 0.67	2.96 3.50	3.19 3.40	0.57 0.07	11
12	2.94 2.62	-0.45 -0.25	2.12 3.31	-0.12 -0.76	2.18 3.04	0.58 -0.76	-1.07 0.06	1.90 2.94	-0.15 0.58	2.99 3.52	3.10 3.12	0.30	12
13	2.81 3.05	-0.43 -0.30	2.29 3.59	0.23 -0.76	-0.03 0.57	2.27 3.41	-1.35 -0.09	1.71 2.79	0.15 0.47	3.50 3.50	0.44 0.65	3.18 3.28	13
14	2.76 3.23	-0.26 -0.40	-0.61 0.50	2.44 3.79	-0.47 0.45	2.03 3.30	-1.22 0.05	1.94 2.07	0.41 0.49	3.54 3.01	0.27 -0.02	3.14 2.80	14
15	2.65 3.23	-0.18 0.77	-0.42 0.82	2.62 3.82	-0.47 0.39	2.04 3.05	-1.15 2.52	2.04 2.52	0.21 0.37	3.19 2.54	0.20 -0.04	3.22 2.81	15
16	-0.66 0.62	2.54 3.42	-0.56 0.84	2.50 3.63	-1.14 0.38	1.98 2.87	-1.08 -0.03	2.25 2.11	0.18 0.45	3.39 1.92	0.94 0.19	3.80 2.55	16
17	-0.64 0.67	2.54 3.44	-0.65 0.77	2.46 3.25	-1.04 0.57	2.25 2.93	-1.14 -0.31	2.13 1.61	0.14 0.02	3.02 1.60	0.50 -0.36	3.27 2.36	17
18	-0.69 0.47	2.49 3.57	-0.66 1.00	2.51 3.14	-1.01 0.51	2.36 2.32	-1.18 -0.52	2.17 1.30	0.18 -0.36	2.97 1.43	0.73 -0.26	3.40 2.22	18
19	-0.52 0.64	2.74 3.69	-0.82 0.75	2.37 2.53	-1.17 0.25	2.27 1.86	-0.96 -0.85	2.21 0.84	0.54 -0.39	3.24 2.00	0.99 0.02	3.53 2.43	19
20	-0.32 1.14	2.77 3.49	1.00 0.85	2.43 2.55	-1.40 -0.08	2.23 1.27	-0.73 -0.86	2.44 2.44	2.04 3.46	1.09 -0.67	1.27 -0.44	3.32 2.00	20
21	-0.51 0.46	2.51 2.99	-0.52 1.41	2.59 2.46	-1.10 -0.05	2.42 1.31	-1.13 2.47	-0.04 -0.44	1.86 3.32	0.85 -0.94	2.36 3.10	1.14 0.31	21
22	-0.70 1.16	2.46 3.41	-0.33 0.11	2.89 1.61	-0.73 -0.63	2.65 2.65	-1.27 3.04	-0.24 -1.14	1.98 3.10	0.36 -1.39	2.39 3.74	1.56 0.04	22
23	-0.48 0.74	2.46 2.42	-0.65 -0.43	2.57 3.43	1.03 2.85	-0.49 1.00	1.44 3.33	0.39 -1.01	1.98 3.19	0.11 -0.90	3.12 3.55	0.99 -0.21	23
24	-0.68 0.37	2.42 3.43	1.45 2.64	-0.57 -0.36	1.05 2.74	-0.30 -1.15	1.74 3.49	0.45 -0.97	2.24 3.37	-0.01 -0.68	3.17 3.68	0.69 0.18	24
25	2.34 2.80	-0.41 0.26	2.04 3.13	0.01 -0.49	1.35 3.23	0.04 -0.97	1.98 3.72	0.46 -0.88	2.66 3.49	0.11 -0.11	4.11 4.44	1.80 0.77	25
26	2.57 3.09	-0.11 0.14	1.89 3.32	0.14 -0.61	1.83 3.63	0.49 -0.86	2.24 3.82	0.62 -0.62	-0.36 -0.06	2.91 3.73	3.66 3.73	0.91 0.44	26
27	2.57 3.20	-0.08 -0.02	2.89 3.52	0.43 -0.44	2.18 4.23	0.76 -0.44	-0.75 0.30	2.21 3.60	-0.48 -0.35	2.88 2.49	3.91 3.57	0.64	27
28	3.00 4.23	0.43 0.53	2.27 3.74	0.64 -0.44	-0.26 0.92	2.72 3.92	-0.78 -0.08	2.24 3.51	-0.44 -0.35	3.15 2.74	0.43 0.00	3.75 2.92	28
29	2.77 3.51	0.37 -0.31	-1.43 0.41	2.32 3.75	-0.36 0.83	2.48 3.79	-0.79 -0.15	2.41 3.05	-0.37 -0.15	3.49 3.05	0.37 -0.10	3.94 3.09	29
30	2.53 3.47	0.36 0.45	-0.44 0.95	2.47 3.46	-0.85 0.42	2.27 3.77	-0.76 -0.18	2.75 2.92	-0.44 -0.18	3.49 3.05	0.54 -0.15	3.99 3.03	30
31	-0.53 0.43	2.40 3.59	-0.56 0.45	2.02 2.91	-0.63 -0.12	2.84 2.91	-0.40 -0.40	2.84 3.11	-0.40 -0.40	2.84 3.11	0.40 0.40	4.26 2.94	31
MAXIMUM	4.20		3.96		4.23		4.19		4.12		4.64		MAXIMUM
MINIMUM	-1.70		-0.88		-1.20		-1.35		-1.09		-0.75		MINIMUM

LOCATION: LAT. 37 59 31, LONG. 121 25 05, NW SEC. 27, T24N, R5E,
ON RINDE TRACT AT FOURTEEN MILE SLOUGH NEAR JUNCTION
WITH STOCKTON SHIP CHANNEL, 8 MILES NW OF STOCKTON.

PERIOD OF RECORD: JULY 1939 TO DATE

TABLE A-12 (CONTINUED)

DAILY TIDES

 H95620 SAN JOAQUIN RIVER AT RINODE DUMP
 (APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	1.04 -0.58	3.56 2.34	0.95 -0.72	3.69 2.58	1.34 0.16	2.75	-0.03 -0.26	1.54 3.11	-0.50 0.66	1.92	3.54 2.26	-0.69 0.52	01
02	0.77 -0.65	2.97	0.77 -0.92	2.44	3.92 2.36	0.88 0.01	-0.33 0.08	1.37	3.55 1.95	-0.64 0.84	3.47 2.35	-0.76 0.43	02
03	2.32 2.89	0.88 -0.55	2.61 2.13	0.39 -0.53	3.38 1.98	0.24 0.20	3.21 1.54	-0.51 0.56	3.70 2.21	-0.76 0.96	3.58 2.56	-0.65 0.22	03
04	2.59 2.82	1.05 -0.41	2.96 1.77	0.29 -0.91	3.56 2.21	0.04 0.88	3.48 1.87	-0.63 2.61	4.04 2.66	-0.40 1.03	3.56 2.77	-0.54 0.13	04
05	2.84 2.70	0.90 -0.44	2.62 1.60	-0.25 -0.72	4.25 2.69	0.45 1.27	3.65 2.00	-0.74 0.77	4.15 2.76	-0.39 0.66	3.57 3.09	-0.27 0.15	05
06	2.78 2.65	0.45 -0.45	2.51 1.73	-0.52 -0.42	4.33 3.04	0.38 1.30	3.87 2.34	-0.68 1.08	4.09 2.70	-0.43 0.52	3.54 3.45	-0.03	06
07	2.81 2.66	0.20 -0.34	2.80 2.00	-0.62 -0.14	4.21 2.92	-0.07 1.31	4.10 2.51	-0.49 0.96	3.73 2.39	-0.82 -0.04	0.18 0.13	3.41 3.69	07
08	2.91 2.65	-0.04 -0.70	3.04 2.28	0.05 0.30	4.39 2.95	-0.12 1.30	4.03 2.54	-0.64 0.86	3.42 2.65	-0.82	0.19 0.32	1.29 3.88	08
09	2.95 2.69	0.19 0.09	3.38 2.41	0.62 0.40	4.33 2.95	-0.26 1.34	4.07 2.64	-0.52 0.70	-0.05 -0.80	3.34 3.00	0.02 0.29	2.93 3.94	09
10	3.11 2.77	-0.30 0.20	3.43 2.38	0.38	4.43 3.29	-0.11 1.64	3.92 2.69	-0.57	-0.01 -0.41	3.23 3.30	0.16 0.68	2.97 4.02	10
11	3.22 2.84	-0.28 0.51	3.35 2.15	-0.04 0.26	4.74 3.51	0.34	0.63 -0.60	3.70 2.80	0.14 0.02	3.18 3.70	0.05 0.96	2.83 4.04	11
12	3.46 2.67	-0.43	3.34 2.28	-1.04 -0.60	1.63 -0.14	4.49 3.21	0.47 -0.59	3.37 3.00	0.27 0.21	2.83 3.82	0.06 1.16	2.80 3.98	12
13	0.55 -0.35	3.58 2.84	3.63 2.95	-0.71	1.21 -0.27	3.98 3.49	0.31 -0.44	3.12 3.39	0.08 0.29	2.54 3.77	-0.07 1.24	2.90	13
14	0.99 -0.20	3.88 2.81	1.44 -0.12	4.15 2.89	1.59 0.17	4.04 3.82	0.50 -0.04	3.18 3.68	-0.16 0.55	2.34 3.80	3.79 2.87	-0.13 0.93	14
15	0.95 -0.76	3.56 2.45	1.18 -0.47	3.74 2.85	1.41 0.25	3.67 3.80	0.17 -0.34	2.44 3.43	-0.29 0.81	2.43	3.59 2.80	-0.32 0.73	15
16	0.93 -0.68	3.54 2.43	1.13 -0.57	3.52 2.93	0.73 -0.03	3.00	-0.33 -0.13	1.98	3.91 2.55	-0.33 0.84	3.39 2.76	-0.30 0.43	16
17	1.09 -0.57	3.40 2.56	0.96 -0.83	3.12 2.84	3.79 2.77	0.30 0.47	3.60 2.25	-0.39 0.64	3.79 2.77	-0.44 0.89	3.38 2.92	-0.23 0.37	17
18	0.97 -0.86	2.96	0.64 -0.27	2.91	3.76 2.39	0.02 0.49	3.91 2.35	-0.42 0.81	3.69 2.52	-0.59 0.52	3.34 3.10	0.00 0.44	18
19	2.34 2.67	0.33 -1.16	3.35 2.90	0.55 0.25	4.20 2.46	-0.02 0.42	3.95 2.50	-0.51 0.87	3.53 2.51	-0.63 0.43	3.26 3.07	0.03 0.13	19
20	2.35 2.52	0.25 -0.94	3.47 2.44	0.00 -0.66	4.00 2.54	-0.48 0.88	3.97 2.60	-0.50 0.91	3.37 2.64	-0.63 0.37	3.91 2.94	-0.24	20
21	2.73 2.83	0.11 -0.45	3.27 2.27	-0.48 -0.63	4.16 2.80	-0.44 0.86	3.92 2.59	-0.52 0.76	3.44 2.91	-0.39 0.54	-0.11 0.01	2.89 3.03	21
22	3.19 2.90	0.15 -0.36	3.60 2.47	-0.49 0.22	4.10 2.73	-0.53 0.97	3.88 2.68	-0.56 0.70	3.39 2.84	-0.32 0.33	-0.20 0.02	2.63 2.97	22
23	3.17 2.58	-0.49 -0.31	3.80 2.59	-0.42 0.44	4.05 2.78	-0.47 1.01	3.83 2.72	-0.47 0.72	0.28 2.89	-0.34	-0.48 -0.16	2.24 2.83	23
24	3.36 3.02	-0.55 0.41	3.95 2.67	-0.53 0.75	3.92 2.59	-0.48	3.75 2.75	-0.46 0.85	0.13 -0.35	2.90 2.87	-0.71 0.01	2.06 2.92	24
25	3.86 2.88	-0.31 0.30	4.06 2.68	-0.57 0.77	0.67 -1.02	3.47 2.42	0.60 -0.55	3.46 2.85	-0.08 -0.01	2.73 3.11	-0.69 -0.06	2.06 3.14	25
26	3.65 2.49	-0.70	4.00 2.96	-0.50	0.57 -0.99	3.25 2.53	0.64 -0.37	3.33 3.05	0.29 0.41	2.83 3.44	-0.49 0.73	2.28 3.36	26
27	0.26 -0.78	3.66 2.44	1.09 -0.49	4.05 2.87	0.69 -0.93	3.13 2.63	0.68 0.09	3.20 3.40	0.17 1.11	2.27 3.22	-0.35 1.15	2.42 3.43	27
28	0.37 -0.88	3.53 2.44	1.08 -0.53	3.75 2.80	0.62 -0.95	2.73 2.68	0.76 0.15	2.95 3.46	-0.50 0.17	1.85 3.14	-0.37 0.98	2.47 3.27	28
29	0.63 -0.89	3.48 2.52	1.07 -0.82	3.47 2.94	0.56 -0.85	2.44 2.81	0.53 0.05	2.43 3.36	-0.57 0.43	1.67 3.18	-0.53 0.78	2.52	29
30	0.86 -0.87	3.38 2.58	1.35 -0.48	3.39 3.30	0.24 -0.40	1.89 2.94	0.14 0.01	1.84 3.23	-0.72 0.58	1.86 3.41	3.26 2.70	-0.40 0.60	30
31			1.48 -0.18	3.12 3.39			-0.25 0.27	1.54 3.34	-0.73 0.92	2.09			31
MAXIMUM	3.88		4.15		4.74		4.10		4.15		4.04		MAXIMUM
MINIMUM	-1.16		-1.04		-1.02		-0.74		-0.82		-0.76		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 7.1 - 12-26-55

 ZERO OF GAGE: 1939 TO 1940 -2.20 USED
 1940 0.00 USCGS
 1964 -0.32 USCGS
 1964 TO DATE 0.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

895500 SAN JOAQUIN RIVER AT VENICE ISLAND
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.55 6.00	3.00	2.41 3.65	5.27 6.55	2.51 4.00	5.38 6.87	1.87 3.08	5.10 5.76	3.17 3.26	6.36 5.69	3.01 2.92	6.45 5.60	01
02	2.98 3.50	5.67 6.46	2.57 3.90	5.38 6.58	2.57 4.14	5.61 6.76	2.09 2.89	5.33 5.17	3.53 3.25	6.74 5.29	3.13 2.59	6.24 4.98	02
03	3.07 3.55	5.73 6.30	2.45 3.81	5.29 6.38	2.67 4.12	5.77 6.65	1.90 2.51	5.27 4.61	3.28 2.93	6.55 5.23	2.93 2.31	5.99 4.91	03
04	2.81 3.60	5.53 6.44	2.30 3.60	5.22 6.25	3.21 4.38	6.27 6.49	1.98 2.42	5.63 4.33	5.37 4.92	4.25 2.93	3.54 2.62	6.30 5.40	04
05	2.77 3.74	5.41 6.47	2.33 3.80	5.35 6.84	2.77 3.54	5.49 5.42	2.17 2.17	5.64 5.64	5.07 4.39	3.76 2.50	5.28 4.40	3.88 2.64	05
06	2.64 3.86	5.27 6.37	2.26 3.60	5.36 5.59	2.31 3.05	5.72 4.87	4.25 4.23	2.67 2.51	4.93 4.22	3.68 2.45	5.42 4.36	4.22 2.57	06
07	2.48 4.15	5.32 6.63	2.19 3.60	5.65 5.64	2.38 2.76	5.87 5.87	4.79 6.40	3.33 2.45	5.20 4.47	3.89 2.65	5.38 4.75	4.11 3.33	07
08	2.76 4.20	5.52 6.36	2.34 2.94	5.54 5.81	4.80 5.81	2.65 2.33	5.14 6.98	4.04 2.93	5.44 4.54	3.95 2.91	5.94 4.40	4.16 2.88	08
09	2.57 4.91	5.56 6.21	5.13 5.66	2.34 2.62	4.62 6.04	2.93 2.36	5.29 6.30	3.64 2.16	6.04 4.92	4.20 3.65	5.71 4.31	3.91 2.91	09
10	2.52 3.59	5.62 6.35	4.94 5.74	2.49 2.37	4.87 6.34	3.25 2.41	4.84 6.19	3.44 2.44	6.34 4.66	4.20 2.62	5.85 4.22	3.67 3.09	10
11	6.01 5.64	2.56 3.15	4.88 5.87	2.64 2.31	4.96 6.40	3.48 2.35	4.76 3.32	4.76 4.12	3.68 3.72	5.76 4.29	5.98 4.19	3.57 3.09	11
12	5.76 5.64	2.43 2.92	4.94 6.11	2.92 2.30	5.00 6.46	3.61 2.42	4.71 3.68	5.66 5.66	2.90 3.66	5.77 4.31	5.92 5.94	3.32 2.61	12
13	5.62 5.86	2.63 2.69	5.11 6.39	3.26 2.43	2.43 3.58	5.07 6.25	1.72 2.93	4.54 5.59	3.25 4.05	6.38 4.30	3.12 3.45	5.99 4.69	13
14	5.57 6.04	2.81 2.61	2.46 3.51	5.25 6.60	2.09 3.39	4.84 6.11	1.85 3.09	4.75 5.49	3.45 3.84	6.32 5.81	3.31 3.03	5.93 5.61	14
15	5.47 6.03	2.88 2.88	2.66 3.86	5.44 6.65	2.07 3.42	4.86 5.87	1.92 3.08	4.91 5.33	3.21 3.38	5.93 5.36	3.26 2.96	6.02 5.64	15
16	2.42 3.08	5.35 6.23	2.50 3.84	5.33 6.44	1.92 3.39	4.80 5.70	1.98 1.02	5.05 5.70	3.22 3.07	6.15 4.73	3.97 3.19	6.00 5.39	16
17	2.44 3.24	5.35 6.30	2.42 3.78	5.29 6.08	2.00 3.53	5.05 5.66	1.93 2.73	4.94 4.45	3.13 3.04	5.82 4.47	3.53 2.70	6.08 5.17	17
18	2.34 3.49	5.32 6.36	2.20 3.59	5.34 5.57	2.06 3.51	5.17 5.15	1.88 2.54	4.94 4.16	3.18 2.67	5.78 4.30	3.76 2.79	6.22 5.05	18
19	2.55 3.91	5.56 6.56	2.22 3.76	5.24 5.38	1.88 3.27	5.09 4.64	2.09 2.19	5.02 3.64	3.54 2.88	6.10 4.31	3.99 3.01	6.35 5.27	19
20	2.75 4.15	5.61 6.32	2.03 3.84	5.25 5.40	1.84 2.76	5.04 4.13	2.28 2.18	5.20 2.18	4.89 4.65	4.07 2.34	4.25 2.55	6.12 4.91	20
21	2.95 3.76	5.34 5.84	2.61 4.62	5.44 5.34	1.94 2.97	5.26 4.13	3.97 5.69	2.98 2.08	4.65 4.05	3.79 2.06	5.17 4.00	4.15 3.31	21
22	2.35 4.15	5.48 5.85	2.71 3.13	5.68 4.47	2.29 2.34	5.41 5.87	4.12 1.91	3.78 1.91	4.48 5.91	3.38 1.96	6.20 4.57	4.57 3.04	22
23	2.58 3.76	5.49 5.78	2.37 2.61	5.38 5.41	1.86 2.02	2.50 2.02	4.27 4.15	3.43 1.49	4.77 5.49	3.13 2.07	5.91 4.34	4.08 2.81	23
24	2.35 3.39	5.43 5.43	4.29 5.48	2.47 2.67	3.97 5.61	2.72 1.91	4.57 4.31	3.44 2.1	5.44 4.15	3.04 2.40	5.95 4.48	3.73 3.22	24
25	5.23 5.69	2.60 3.10	4.87 5.93	3.04 2.45	4.14 6.05	3.07 2.09	4.80 4.48	3.44 2.27	5.44 4.27	3.17 2.17	6.85 4.78	4.78 3.76	25
26	5.41 5.84	2.93 3.14	4.71 6.13	3.17 2.45	4.66 6.45	3.49 2.24	5.05 4.61	3.54 2.61	2.73 2.49	5.70 5.98	6.40 4.45	3.71 3.49	26
27	5.41 6.01	2.46 3.04	4.93 6.32	3.43 2.40	5.02 7.15	3.90 7.15	2.30 3.20	4.94 4.44	2.61 2.72	5.68 5.72	6.65 4.30	3.54 2.77	27
28	5.99 7.01	3.47 3.59	5.69 6.56	3.66 2.42	2.92 3.90	5.54 6.74	2.27 3.01	5.04 4.62	2.64 2.73	5.93 5.54	3.43 2.95	6.49 5.71	28
29	5.61 6.33	3.19 2.77	2.43 1.62	5.14 6.55	2.63 3.61	5.26 6.61	2.30 2.90	5.24 5.84	2.64 2.73	5.93 5.54	3.43 2.95	6.49 5.71	29
30	5.36 6.48	1.40 1.40	2.42 3.87	5.29 6.78	2.22 3.41	5.04 6.49	2.32 2.92	5.51 5.73	2.64 2.64	5.93 5.54	3.43 2.95	6.49 5.71	30
31	2.53 3.44	5.23 6.14			2.34 2.88	4.83 5.71	2.48 2.97	5.73 5.98			3.97 3.12	6.98 5.70	31
MAXIMUM	7.41		6.78		7.15		6.94		6.92		7.30		MAXIMUM
MINIMUM	2.35		2.03		1.84		1.72		1.96		2.31		MINIMUM

LOCATION: LAT. 38 03 01, LONG. 121 29 45, NE SEC. 2, T24N, R4E,
ON LITTLE CONNECTION SLUGH ON EMPIRE TRACT, 0.7 MILE
SOUTH OF VENICE ISLAND FERRY.

PERIOD OF RECORD: OCT 1927 TO DATE

TABLE B-12 (CONTINUED)
DAILY TIDES
ROSSBORO SAN JOAQUIN RIVER AT VENICE ISLAND
(APRIL 1, 1975, THROUGH SEPTEMBER 10, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.03 2.47	6.34 5.15	3.97 2.30	5.92 5.40	4.37 2.30	5.61 6.34	2.91 2.73	4.40 5.49	2.56 3.70	4.60 6.34	2.36 3.54	5.07	01
02	3.79 2.34	5.78 2.11	3.80 2.11	5.33 2.11	3.92 3.05	5.19 3.05	2.73 3.03	4.22 3.03	2.40 3.40	4.40 3.40	6.30 5.16	2.32 3.44	02
03	5.14 5.71	3.89 2.48	5.46 4.99	3.44 2.44	6.20 4.83	3.29 3.21	6.05 4.40	2.51 3.51	6.54 5.06	2.34 4.04	6.38 5.36	2.42 3.26	03
04	5.42 5.04	4.09 2.63	5.74 4.58	3.31 2.13	6.36 5.05	3.11 3.88	6.33 4.68	2.43 3.81	6.88 5.48	2.66 4.08	6.36 5.56	2.54 3.20	04
05	5.67 5.54	3.95 2.61	5.44 4.42	2.75 2.34	7.07 5.69	3.49 4.28	6.47 4.83	2.30 3.81	6.46 5.56	2.68 3.40	6.38 5.48	2.74 3.20	05
06	5.60 5.46	3.49 2.40	5.34 4.55	2.46 2.63	7.13 5.84	3.41 4.33	6.70 5.28	2.39 4.12	6.40 5.52	2.64 3.54	6.34 6.24	3.04	06
07	5.63 5.48	3.27 2.73	5.62 4.80	2.37 2.90	7.02 5.72	2.98 4.32	6.69 5.33	2.55 4.01	6.56 5.20	2.24 3.02	3.26 3.18	6.22 6.50	07
08	5.72 5.46	3.02 2.65	5.86 5.07	2.40 3.31	7.19 5.74	2.89 4.32	6.86 5.35	2.44 3.4	6.22 5.42	2.24	3.24 3.18	6.12 6.68	08
09	5.76 5.49	2.86 3.15	6.19 5.19	2.44 3.41	7.11 5.76	2.79 4.37	6.91 5.47	2.55 3.75	3.08 2.66	6.14 5.78	3.10 3.32	5.76 6.72	09
10	5.92 5.55	2.75 3.25	6.26 5.17	2.37 3.41	7.22 6.10	2.96 4.66	6.74 5.52	2.51 3.65	3.04 2.66	6.02 6.12	3.22 3.70	5.74 6.82	10
11	6.03 5.62	2.74 3.56	6.18 4.95	2.11 3.24	7.05 6.31	3.36	6.52 5.62	2.47 3.62	3.22 3.08	5.98 6.50	3.10 3.98	5.66 6.44	11
12	6.26 5.46	2.68 3.68	6.15 5.10	2.03 3.64	6.66 2.91	7.29 6.01	3.52 2.47	6.19 5.02	3.32 3.24	5.66 6.62	3.13 4.14	5.62 6.80	12
13	6.39 5.66	2.67 2.4	6.43 5.73	2.33	6.26 2.74	6.78 6.28	3.38 2.60	5.95 4.22	3.12 3.10	5.36 6.58	3.00 4.22	5.72 6.62	13
14	6.33 2.85	6.72 5.64	4.45 2.84	6.97 5.72	4.60 3.18	6.86 6.63	3.57 3.03	5.93 4.57	2.40 3.54	5.16 4.62	2.94 3.00	5.68 6.40	14
15	3.98 2.30	6.10 2.30	4.21 2.52	6.56 5.70	4.47 3.28	6.44 6.61	3.25 2.72	5.28 6.24	2.76 3.04	5.24	6.42 5.64	2.76 3.74	15
16	3.96 2.36	6.11 5.26	4.15 2.47	6.33 5.76	3.98 3.01	5.82 6.59	2.73 2.91	4.81 6.43	6.74 5.40	2.74 3.48	6.20 5.56	2.74 3.46	16
17	4.09 2.45	6.20 5.39	3.99 2.22	5.95 5.65	3.47 3.52	5.57	2.67 3.65	5.00	6.62 5.56	2.56 3.86	6.10 5.72	2.42 3.42	17
18	4.03 2.15	5.79 2.85	3.88 2.75	5.72	6.77 5.22	3.86 3.44	6.74 5.14	2.56 1.83	6.50 3.24	2.48	6.14 5.88	3.08 3.48	18
19	5.17 5.49	3.71 1.86	6.17 5.68	3.61 3.30	6.95 5.27	3.03 3.45	6.78 4.31	2.56 3.41	6.14 5.32	2.42 3.44	6.10 5.86	3.08 3.18	19
20	5.17 5.35	3.26 2.10	6.13 5.13	3.50 2.41	6.80 4.35	2.58 3.90	6.40 5.42	2.57 3.94	6.18 5.44	2.44 3.40	5.74 5.74	2.90 2.94	20
21	5.54 5.63	3.15 2.63	6.04 5.08	2.54 2.93	6.97 5.41	2.60 3.89	6.74 5.42	2.56 3.80	6.62 5.70	2.66 3.56	5.68 5.44	3.06	21
22	6.00 5.70	3.17 2.71	6.40 5.27	2.58 3.26	6.92 5.55	2.54 4.00	6.70 5.46	2.59 3.74	6.22 5.64	2.74	2.44 3.06	5.46 5.78	22
23	5.97 5.38	2.59 2.76	6.41 5.40	2.64 3.50	6.87 5.03	2.61 4.07	6.64 5.54	2.61 3.75	3.32 2.72	5.96 5.68	2.62 2.88	5.07 5.64	23
24	6.16 5.81	2.54 3.44	6.75 5.47	2.52 3.77	6.75 5.42	2.60 3.71	6.57 5.56	2.63	3.14 2.70	5.74 5.68	2.34 3.02	4.88 5.74	24
25	6.68 5.68	2.73 3.35	6.87 5.50	2.48 3.82	6.31 5.23	2.05	3.64 2.54	6.27 5.67	3.36 5.42	2.54	2.36 3.34	4.88 5.96	25
26	6.44 5.29	2.34 3.13	6.80 5.60	2.57	3.59 2.84	6.08 4.37	3.68 2.72	6.16 5.08	3.32 3.62	6.46 6.26	2.54 3.72	4.10 6.20	26
27	6.46 5.25	2.26	6.14 2.56	6.87 5.68	3.72 2.12	5.95 5.45	3.72 3.14	6.11 6.22	3.62 3.14	6.10 6.02	2.77 4.17	5.22 6.24	27
28	3.42 2.15	6.34 5.74	4.09 2.45	6.56 5.62	3.84 2.11	5.56 5.51	3.86 3.17	5.74 6.24	2.76 3.18	4.70 5.96	2.68 3.90	5.28 6.08	28
29	3.65 2.18	6.29 5.15	4.07 2.23	6.27 5.75	3.80 2.36	5.26 5.64	3.60 3.11	5.22 6.13	2.48 3.44	4.50 5.98	2.52 3.74	5.32 6.08	29
30	3.89 2.22	6.20 5.19	4.36 2.56	6.22 5.12	3.35 2.54	4.74 5.84	3.19 3.03	4.75 6.08	2.34 3.48	4.66 6.24	2.67 3.62	5.50	30
31			4.50 2.81	5.96 6.22			2.79 3.28	4.41 6.14	2.32 3.46	4.92 6.36			31
MAXIMUM	6.72		6.97		7.55		6.91		6.46		6.84		MAXIMUM
MINIMUM	1.86		2.03		2.05		2.30		2.24		2.32		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 10.7 - 12-26-55

ZERO OF GAGE: 1927 -1.45 USGS
1959 -4.60 USGS
1964 -4.01 USGS
1964 TO DATE -3.00 USGS

TABLE B-12 (CONTINUED)

DAILY TIDES

 895540 MIDDLE RIVER AT MOWRY BRIDGE
 (OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	3.34 3.51	5.63 5.75	3.66 4.59	5.79 6.61	3.98 4.86	5.83 6.67	3.27 3.97	5.44 5.79	3.98 3.99	5.62 5.30	3.86 3.80	5.75 5.40	01
02	3.57 3.95	5.78 6.55	4.03 4.78	5.96 6.64	3.92 4.78	6.04 6.58	3.51 3.84	5.32 5.39	4.12 4.16	6.40	3.87 3.61	5.66 4.65	02
03	3.67 3.94	5.84 6.85	4.02 4.71	5.86 6.46	3.76 4.61	5.97 6.51	3.22 3.39	5.14 4.88	5.34 6.15	4.02 3.77	3.65 3.43	5.51	03
04	3.39 3.92	5.62 6.09	3.97 4.74	5.83 6.79	4.39 5.16	6.80 6.61	3.10 3.55	5.30	5.52 6.00	4.50	NR	NR	04
05	3.37 4.04	5.55 6.16	4.04 4.69	5.59 6.34	4.21 4.51	5.99	4.48 5.25	3.34 3.41	3.88 4.33	5.38 6.20	NR	NR	05
06	3.25 4.06	5.39 6.09	3.92 4.50	5.90 6.10	5.96 5.83	3.83 4.20	4.14 5.89	3.46	3.86 4.48	5.33 6.21	NR	NR	06
07	3.10 4.27	5.43 6.37	3.65 4.37	5.73	5.43 5.93	3.84 4.07	3.63 3.86	5.11 6.05	4.19 4.91	5.72 6.51	NR	NR	07
08	3.29 4.36	5.67	6.16 5.70	3.69 3.94	5.38 5.61	4.00	3.46 4.48	5.11 6.74	4.51 5.10	6.04 6.50	NR	NR	08
09	6.51 5.70	3.15 4.17	5.58 5.66	3.59	3.08 4.12	5.24 6.08	4.04 4.33	5.38 6.27	4.69 5.32	6.29 6.81	NR	NR	09
10	6.33 5.45	3.12 3.85	3.74 3.65	5.38 5.64	3.92 4.23	5.23 6.36	3.51 4.04	4.86 6.07	5.03 5.30	6.86 6.74	NR	NR	10
11	6.09 5.74	3.16 3.54	3.65 3.69	5.32 6.27	4.01 4.43	5.54 6.44	3.48 4.02	4.85 5.88	4.74 4.99	6.31 6.42	NR	NR	11
12	5.47 5.62	3.05 3.84	3.67 3.84	5.11 6.39	3.98 4.51	5.56 6.89	3.46 3.85	4.70 5.29	4.65 5.01	6.32 6.44	NR	NR	12
13	3.29 3.18	5.63 5.85	3.64 4.07	5.13 6.79	4.07 4.55	5.66 6.13	3.19 3.65	4.35 5.41	4.81 5.23	6.76 6.60	NR	NR	13
14	3.29 3.23	5.47 6.01	3.83 4.25	5.31 7.00	3.81 4.26	4.99 6.25	3.14 3.63	4.84 5.33	5.00 5.41	6.68 6.33	4.62 4.44	6.83 6.07	14
15	3.28 3.27	5.24 6.02	4.01 4.45	5.87 6.65	3.83 4.27	5.05 5.74	3.11 3.76	4.80 5.37	5.07 5.20	6.24 5.97	4.56 4.56	6.11 6.21	15
16	3.13 3.42	5.11 6.23	3.83 4.47	5.70 6.52	3.67 4.25	4.91 6.17	3.31 3.83	5.01 5.15	5.14 5.31	6.51 5.02	5.07 4.79	6.78 6.05	16
17	3.14 3.56	5.01 5.91	3.77 4.40	5.41 5.98	3.76 4.44	5.11 5.74	3.27 3.63	4.81 4.72	4.99 4.84	6.15 5.35	4.78 4.43	6.62 5.82	17
18	3.14 3.83	5.31 6.50	3.56 4.57	5.39 6.12	3.65 4.27	5.21 5.33	3.18 3.47	4.69 4.24	4.71 4.44	6.00	4.89 4.53	6.76 6.07	18
19	3.26 4.18	5.46 6.26	3.57 4.32	5.55 5.55	3.43 4.04	5.07	3.19 3.28	4.69	5.13 6.12	4.68 4.34	5.77 6.92	4.97 4.51	19
20	3.36 4.38	5.77 6.52	3.38 4.36	5.32 5.87	3.36 3.80	5.11 4.38	3.69 4.09	3.11 3.22	5.35 6.43	5.02 4.34	5.77 6.39	5.07 4.32	20
21	3.22 4.17	5.02 5.67	3.64 5.01	6.27	3.21 3.75	4.93	4.21 5.41	3.44	5.47 6.41	4.93	5.81 6.12	5.05 4.74	21
22	3.02 4.33	5.44 5.77	5.76 5.77	3.69 3.42	4.57 5.39	3.39 3.51	3.06 3.70	4.33 5.74	4.22 4.55	5.21 5.86	6.35 6.81	5.46 7.07	22
23	6.10 5.23	3.18 4.06	4.91 5.25	3.36 3.52	4.04 5.40	3.31	3.30 4.01	4.60 6.04	3.98 4.35	4.98 5.76	6.71 5.17	6.07 6.38	23
24	5.59 5.29	3.13 3.86	4.50 5.22	3.33	3.24 3.30	4.01 5.46	3.46 4.15	4.69 6.18	3.94 4.20	5.09 6.04	4.74 5.10	6.55 6.73	24
25	5.56 5.48	3.39 3.90	3.54 3.76	4.85 5.99	3.11 3.62	4.46 5.81	3.57 4.22	5.13 6.10	3.98 4.29	5.83 6.23	4.91 5.81	7.34 7.67	25
26	5.76 5.70	3.74	3.63 3.93	5.15 6.10	3.32 4.00	4.72 6.25	3.69 4.30	5.23 6.24	4.14 4.28	5.90 6.06	5.43 5.47	7.11 6.85	26
27	3.91 3.84	5.86 5.86	3.66 4.15	5.33 6.29	3.51 4.11	5.13 6.71	3.65 4.12	4.96 6.35	4.09 3.96	5.48 5.80	5.11 5.35	7.20 6.67	27
28	3.86 4.50	6.17 7.10	3.74 4.33	5.43 6.35	3.90 4.74	6.02 6.62	3.51 3.61	5.20 5.87	3.81 3.74	5.44 5.45	5.08 4.65	7.07 6.02	28
29	4.37 4.21	6.03 6.59	3.77 4.28	5.19 6.58	4.06 4.49	5.82 6.35	3.42 3.80	5.16 5.73			4.88 4.71	6.69 6.05	29
30	3.78 4.21	5.76 6.14	3.82 4.48	5.61 6.73	3.67 4.17	5.21 6.57	3.59 3.90	5.34 6.00			4.89 4.67	6.62 5.95	30
31	3.71 4.23	5.69 6.32			3.46 3.95	5.38 6.05	3.68 3.65	5.25 6.02			5.13 5.07	7.23 6.42	31
MAXIMUM	7.10		7.00		6.89		6.74		6.68		NR		MAXIMUM
MINIMUM	3.02		3.33		3.11		3.06		2.74		NR		MINIMUM

NR - NO RECORD

 LOCATION: LAT. 37 50 04, LONG 121 22 59, NE SEC. 24, T1S, R5E,
 AT UNDINE ROAD CROSSING ON UPPER ROBERTS ISLAND.

 PERIOD OF RECORD: JULY 1948 TO SEPT 1956
 MARCH 1968 TO DATE

TABLE B-12 (CONTINUED)
DAILY TIDES
895540 MIDDLE RIVER AT HOWRY BRIDGE
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	5.21 4.34	6.52	5.28 5.52	4.02 2.91	6.44 5.90	4.68 3.96	5.77 4.18	3.08 2.79	6.12 4.25	2.79 3.71	5.81 4.90	3.10 3.84	01
02	5.67 5.95	4.69 3.95	5.31 4.94	3.65 2.65	6.55 5.63	4.61 4.14	5.80 3.97	2.81 3.01	6.08 4.38	2.72 3.87	5.71 4.87	2.94 3.65	02
03	5.44 4.75	4.55 3.75	4.86 4.62	3.44 2.42	6.48 5.33	4.32 4.26	5.90 4.19	2.72 3.56	6.07 4.52	2.82 3.92	5.73 4.97	3.01	03
04	5.68 5.64	4.58 3.67	5.16 4.36	3.41 2.80	6.69 5.61	4.43 4.83	6.22 4.71	2.81 3.90	6.35 5.17	3.02 4.12	5.88 2.99	5.60 5.15	04
05	5.49 5.45	4.38	4.77 4.30	3.26	7.41 6.30	4.86 5.24	6.38 4.78	2.88 3.89	6.11 5.32	3.04	5.56 3.17	5.57 5.46	05
06	5.80 4.05	5.30 5.20	3.05 2.89	4.83 4.27	7.44 6.37	4.78 5.31	6.58 5.19	2.94 4.25	4.04 2.42	5.98 5.32	3.61 3.48	5.56 5.67	06
07	5.54 3.81	5.11 5.42	3.04 2.82	5.06 4.48	7.39 6.27	4.62	6.80 5.31	3.00	3.73 2.28	5.54 4.75	3.75 3.64	5.55 5.81	07
08	5.61 3.71	5.37 5.49	3.37 3.00	5.28 4.85	5.23 4.76	7.54 6.37	4.14 2.86	6.78 5.26	3.26 2.43	5.85 4.85	3.51 3.74	5.54 6.22	08
09	5.74 3.89	5.51 5.67	3.72 3.16	5.63 5.17	5.37 4.78	7.56 6.41	4.00 2.93	6.74 5.33	3.24 2.74	5.33 4.94	3.76 3.80	5.42 5.26	09
10	4.15 4.01	5.71 5.66	3.90 3.26	4.67 4.94	5.49 4.82	7.63 6.71	3.88 2.77	6.54 5.37	3.32 2.95	5.16 5.34	3.78 4.07	5.45 6.38	10
11	4.25 4.07	5.83 5.94	3.89 2.97	4.55 4.34	5.76 5.08	7.93 6.90	3.75 2.77	6.22 5.40	3.42 3.17	5.09 5.78	3.61 4.25	5.37	11
12	4.52 4.02	6.00 5.53	3.60 2.74	5.35 4.91	5.68 4.78	7.71 6.55	3.64 2.97	6.02 5.08	3.51 3.30	5.07	6.44 5.47	3.63 4.43	12
13	4.43 3.99	6.21 5.69	3.88 3.12	5.76 5.48	5.21 4.41	7.14	3.62 3.08	5.85	5.86 4.73	3.18 3.41	6.45 5.50	3.71 4.51	13
14	4.56 4.06	6.49 5.93	4.86 3.70	6.45 5.87	6.63 7.19	5.25 4.60	6.09 5.83	3.71 3.33	5.80 4.55	2.91 3.63	6.29 5.30	3.54 4.29	14
15	4.00 3.80	6.21 5.52	4.57 3.53	6.73	7.04 6.98	5.36 4.89	6.29 5.16	3.41 3.08	5.78 4.93	2.79 3.95	6.13 5.56	3.50 4.14	15
16	4.45 3.55	6.22	5.87 6.41	4.50 3.66	7.14 6.42	5.18 4.79	5.96 4.57	2.86 3.14	5.99 4.90	2.96 4.05	5.90 5.62	3.36	16
17	5.49 6.13	4.41 3.44	5.95 5.99	4.37 3.28	7.07 6.25	4.99 5.05	6.13 5.04	2.87 3.79	5.81 4.90	3.09 4.04	3.90 3.43	5.77 5.73	17
18	5.55 5.73	4.29 3.17	5.87 5.94	4.34 3.63	7.21 6.02	4.95 5.08	6.54 5.15	2.97 3.93	5.81 5.09	3.19	4.01 3.67	5.77 5.80	18
19	5.33 5.29	4.04 2.96	6.39 5.98	4.24 4.02	7.34 6.03	4.92 5.02	6.64 5.28	2.91 4.03	3.90 3.19	5.79 5.09	4.08 3.71	5.77	19
20	5.03 5.20	3.70 3.12	7.01 5.86	4.79 3.75	7.21 5.87	4.38 4.93	6.63 5.47	3.12	3.84 3.20	5.81 4.18	3.91 3.60	5.39 5.49	20
21	5.24 5.56	3.74	6.20 5.27	3.62 3.70	7.16 6.69	3.88	4.07 2.98	6.05 5.35	3.84 3.21	5.62 4.41	3.69 3.70	5.36	21
22	3.54 3.73	5.63 5.63	6.50 5.44	3.58	4.93 3.80	7.03 5.73	3.90 2.85	6.51 5.34	3.76 3.29	5.64 4.36	3.61 3.60	5.63 5.66	22
23	3.47 3.29	5.65 5.24	3.96 3.64	6.68 5.58	4.44 3.44	6.99 5.69	3.88 2.89	6.40 5.51	3.78 3.29	5.34 5.29	3.44 3.44	5.47 5.34	23
24	3.39 3.27	5.51 5.54	4.11 3.64	6.86 5.71	4.31 3.21	6.65 5.52	3.95 3.03	6.36 5.51	3.67 3.28	5.16 4.10	3.19 3.71	4.64 5.35	24
25	3.93 3.44	5.06 4.66	4.39 3.82	6.99 6.42	4.03 3.03	6.20 5.29	3.77 3.04	6.17 5.63	3.52 3.38	4.97 4.58	3.16 3.71	4.73 5.67	25
26	3.84 3.15	5.06 5.15	4.47 3.79	7.03 6.02	3.93 3.00	5.96 5.40	3.83 3.09	6.09 5.81	3.61 3.64	5.20 4.87	3.74 3.92	4.88 5.92	26
27	3.05 3.12	6.02 6.49	4.69 3.85	7.12 5.99	3.97 2.76	6.00	3.88 3.52	6.06 6.24	3.53 3.35	4.84 5.80	3.23 4.50	4.98 6.10	27
28	3.71 3.13	5.67 5.19	4.69 3.66	6.86 6.42	5.43 5.63	3.87 2.77	4.03 3.44	5.80 6.22	3.13 3.36	4.44 5.48	3.28 4.26	5.05	28
29	3.91 2.91	5.79	4.61 3.56	6.58	5.51 5.30	3.69 3.02	3.71 3.23	5.26	2.78 3.68	4.26	5.79 5.24	3.17 4.11	29
30	5.22 5.82	3.96 2.78	6.00 6.53	4.73 3.80	5.88 4.71	3.49 2.84	6.05 4.38	3.27 3.10	5.53 4.23	2.58 3.96	5.86 5.34	3.26 3.96	30
31			6.35 6.26	4.86 3.84			6.05 4.24	2.89 3.38	5.74 4.46	3.01 3.96			31
MAXIMUM	6.52		7.12		7.93		6.80		6.35		6.45		MAXIMUM
MINIMUM	2.78		2.65		2.76		2.72		2.28		2.94		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 16.8 - 12-10-50
MAXIMUM OF RECORD IS MAXIMUM RECORDED STAGE

ZERO OF GAGE: 1948 TO 1952 - 1.00
1952 - 1.67
1964 - 3.24
1964 TO DATE - 4.00

TABLE 8-12 (CONTINUED)

DAILY TIDES

R95500 MIDDLE RIVER AT BORDEN HIGHWAY
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	DATE
01	NR NR	-0.47 0.72 2.24 0.94 3.23	-0.39 0.99 2.36 1.11 3.24	-1.02 0.09 2.82 2.39	-0.20 0.00 2.45 2.07	-0.16 -0.23 2.57 2.14	01
02	NR NR	-0.31 0.94 2.40 3.23	-0.35 1.11 2.57 3.24	NR NR	0.27 0.06 3.07 1.95	-0.06 -0.56 2.49 1.43	02
03	NR NR	-0.45 0.82 2.29 3.05	-0.41 0.90 2.59 3.11	NR NR	0.08 -0.27 2.87	-0.16 -0.84 2.27	03
04	NR NR	-0.59 0.81 2.23 3.24	0.26 1.39 3.26 3.18	NR NR	2.12 3.33 1.03 -0.25	1.71 2.72 0.34 -0.56	04
05	NR NR	-0.56 0.80 2.13 2.91	-0.13 0.58 2.60 2.43	NR NR	1.92 2.86 0.54 -0.63	2.69 2.91 0.78 -0.61	05
06	NR NR	-0.65 0.58 2.35 2.58	-0.60 0.08 2.40	NR NR	1.78 2.75 0.50 -0.66	2.08 2.82 0.98 -0.64	06
07	NR NR	-0.74 0.57 2.26 2.66	-0.57 2.54 -0.22	NR NR	2.05 3.04 0.71 -0.41	1.79 3.17 0.84 0.15	07
08	NR NR	-0.58 -0.03 2.30	1.88 2.25 -0.32 -0.57	NR NR	2.32 3.00 0.80	2.53 2.94 0.97 -0.16	08
09	NR NR	2.10 2.29 -0.59 -0.34	1.65 2.67 -0.04 -0.57	NR NR	-0.19 1.04 2.69 3.33	2.45 2.74 0.65 -0.22	09
10	NR NR	1.90 2.31 -0.47 -0.56	1.88 2.95 0.23 -0.47	NR NR	0.51 1.07 3.21 3.22	2.37 3.07 0.54	10
11	NR NR	1.85 2.78 -0.34 -0.59	1.97 3.02 0.48	NR NR	-0.01 0.58 2.61 2.87	-0.03 0.49 2.62 3.04	11
12	NR NR	1.68 3.00 -0.07	-0.53 0.59 2.00 3.39	NR NR	-0.19 0.44 2.61 2.88	0.04 0.25 2.74 2.54	12
13	NR NR	-0.62 0.27 1.80 3.30	-0.43 0.59 2.09 2.81	NR NR	0.06 0.09 3.10 3.01	-0.01 0.34 2.52 2.91	13
14	NR NR	-0.45 0.54 1.95 3.52	-0.81 0.36 1.57 2.79	-1.25 -0.07 1.43 2.06	0.31 0.89 3.15 2.59	0.21 -0.05 2.53 2.68	14
15	NR NR	-0.24 0.78 2.43 3.26	-0.78 0.39 1.61 2.39	-1.19 -0.08 1.47 2.03	0.15 0.30 2.52 2.15	0.13 -0.11 2.61 2.53	15
16	NR NR	-0.41 0.82 2.30 3.14	-0.98 0.37 1.48 2.65	-1.12 -0.13 1.64 1.81	0.12 0.43 2.71 1.58	0.86 0.16 3.24 2.36	16
17	NR NR	-0.50 0.76 2.04 2.66	-0.87 0.62 1.67 2.35	-1.20 -0.42 1.47 1.3	0.12 -0.07 2.42 1.43	0.44 -0.36 3.00 2.11	17
18	NR NR	-0.74 0.99 2.02 2.74	-0.88 0.48 1.81 1.94	-1.27 -0.64 1.38 0.87	0.04 -0.45 2.38	0.63 -0.26 3.13 2.04	18
19	NR NR	-0.72 0.70 2.17 2.18	-1.07 0.24 1.57 1.71	-1.10 -0.97 1.42 0.35	1.27 2.61 0.37 -0.43	0.87 -0.07 3.30 2.17	19
20	NR NR	-0.92 0.80 1.88 2.41	-1.12 0.09 1.72 0.99	-0.98 -0.97 1.68	1.07 2.67 1.02 -0.71	1.12 -0.52 2.84	20
21	NR NR	-0.46 1.52 2.01 2.33	-1.08 -0.10 1.68 1.14	0.84 2.15 -0.21 -1.07	1.67 2.40 0.70 -0.94	2.13 2.60 0.97 0.91	21
22	NR NR	-0.30 0.10 2.38	-0.72 -0.59 2.02	0.95 2.38 0.10 -1.10	1.45 2.39 0.24 -1.10	2.88 3.27 1.41 -0.64	22
23	NR NR	1.46 1.98 -0.65 -0.41	0.68 2.08 -0.48 -0.89	1.14 2.66 -0.29 -1.07	1.41 2.35 0.01 1.00	2.50 2.93 0.88 -0.24	23
24	NR NR	1.15 1.98 -0.57 -0.39	0.63 2.17 -0.33 -1.04	1.40 2.79 -0.36 -0.99	1.58 2.61 -0.07	2.40 3.13 0.60 0.12	24
25	NR NR	1.55 2.61 0.00 -0.51	1.16 2.54 0.03 -0.86	1.63 2.77 0.30	-0.64 0.09 2.28 2.42	3.08 4.04 1.67	25
26	NR NR	1.70 2.95 0.14 -0.51	1.40 2.96 0.48	-0.84 0.44 2.95	-0.34 -0.08 2.28 2.00	0.82 0.94 3.38 3.22	26
27	NR NR	1.88 2.95 0.41	-0.72 0.73 1.92 3.50	-0.78 0.34 1.62 3.00	-0.44 -0.39 2.10 2.23	0.42 0.70 3.48 3.04	27
28	NR NR	-0.51 0.64 2.05 3.63	-0.09 1.07 2.54 3.25	-0.81 -0.29 1.84 2.65	-0.50 -0.41 2.23 2.11	0.45 0.62 3.37 2.34	28
29	NR NR	-0.50 0.60 1.84 3.19	-0.12 0.69 2.03 3.03	-0.83 -0.22 1.84 2.39		0.33 -0.06 3.18 2.46	29
30	NR NR	-0.48 0.85 2.26 3.35	-0.67 0.46 1.94 3.18	-0.81 -0.21 2.01 2.26		0.47 -0.16 3.15 2.39	30
31	-0.40 0.40 2.17 2.97		-0.15 0.04 1.92 2.34	-0.70 -0.60 2.05 2.38		0.85 0.42 3.71 2.69	31
MAXIMUM	NR	3.52	3.50	NR	3.33	4.04	MAXIMUM
MINIMUM	NR	-0.92	-1.12	NR	-1.10	-0.84	MINIMUM

NR - NO RECORD

LOCATION: LAT. 37 53 28, LONG. 121 29 20, NW SEC. 36, T1N, R9E,
VICTORIA ISLAND BELOW STATE HWY 4 BRIDGE, 10 MILES
NW OF TRACT.

PERIOD OF RECORD: JULY 1939 TO DATE

TABLE A-12 (CONTINUED)
DAILY TIDES
A95500 MIDDLE RIVER AT BORDEN HIGHWAY
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	0.94	2.94	0.73	2.41	3.04	1.15	2.55	-0.20	-0.68	1.18	2.71	-0.83	01
	-0.58	2.01	-0.92		2.51	-0.01	1.24	-0.52	0.54		1.59	0.42	
02	0.58	2.45	2.14	0.55	3.11	0.74	2.67	-0.54	2.91	-0.82	2.60	-0.82	02
	-0.19		1.84	-1.13	2.14	-0.16	1.06	-0.17	1.32	0.72	1.49	0.29	
03	1.93	0.69	1.92	0.22	2.98	0.14	2.78	-0.73	2.95	-0.87	2.67	-0.73	03
	2.34	-0.70	1.52	-0.82	1.78	0.06	1.20	0.38	1.46	0.80	1.84	0.08	
04	2.22	0.86	2.16	0.07	3.16	-0.01	3.01	-0.79	3.25	-0.53	2.61	-0.62	04
	2.26	-0.59	1.22	-1.11	1.97	0.70	1.49	0.68	2.02	0.85	2.03	0.00	
05	2.29	0.75	1.69	-0.45	3.85	0.38	3.15	-0.87	3.15	-0.53	2.61	-0.37	05
	2.12	-0.58	1.14	-0.90	2.63	1.10	1.60	0.66	2.20	0.71	2.32		
06	2.07	0.30	1.71	-0.72	3.90	0.31	3.34	-0.76	3.11	-0.57	0.00	2.60	06
	1.95	-0.60	1.25	-0.59	2.75	1.16	1.94	0.97	2.16	0.34	-0.11	2.54	
07	1.96	0.05	1.97	-0.80	3.81	-0.11	3.57	-0.59	2.74	-0.92	0.07	2.51	07
	2.12	-0.47	1.53	-0.32	2.60	1.14	2.11	0.80	1.74		0.03	2.72	
08	2.16	-0.17	2.18	-0.79	3.96	-0.09	3.52	-0.74	-0.20	2.52	0.07	2.43	08
	2.18	-0.32	1.81	0.07	2.66	1.15	2.09	0.71	-0.92	1.83	0.21	1.05	
09	2.22	-0.30	2.50	-0.69	3.94	-0.25	3.57	-0.61	-0.22	2.43	-0.05	2.20	09
	2.28	-0.01	1.97	0.21	2.66	1.19	2.18		-0.75	2.02	0.17	3.07	
10	2.39	-0.34	2.53	-0.77	4.06	-0.12	0.54	-3.39	-0.15	2.28	0.06	2.04	10
	2.22		1.73	0.22	2.98		-0.66	2.22	-0.55	2.32	0.54	3.20	
11	0.12	2.49	2.45	1.00	1.50	4.35	0.45	3.12	0.00	2.23	-0.07	2.43	11
	-0.34	2.43	1.32	0.05	0.31	3.21	-0.71	2.31	-0.13	2.78	0.85	3.26	
12	0.43	2.67	2.34	-1.11	1.50	4.14	0.17	2.49	0.10	2.06	-0.06	2.19	12
	-0.44	2.11	1.82		-0.13	2.89	-0.72	2.49	0.02	2.87	1.04	3.26	
13	0.44	2.86	0.45	2.66	1.03	3.62	0.15	2.65	-0.10	1.80	-0.13	2.19	13
	-0.40	2.26	-0.78	2.46	-0.33	3.09	-0.58	2.88	0.11	2.82	1.09		
14	0.86	3.10	1.31	3.28	1.36	3.69	0.36	2.66	-0.31	1.64	3.06	-0.24	14
	-0.24	2.48	-0.26	2.50	0.09	3.46	-0.21	3.14	0.43		2.10	0.83	
15	0.84	2.96	1.00	3.38	1.23	3.36	0.01	2.02	2.84	-0.47	2.83	-0.39	15
	-0.70	2.12	-0.56	2.49	0.16	3.49	-0.49	2.85	1.84	0.74	2.22	0.57	
16	0.82	2.88	0.97	3.66	0.73	2.73	-0.46	1.57	2.99	-0.48	2.69	-0.41	16
	-0.73	2.12	-0.64	2.55	-0.11		-0.31		1.80	0.74	2.26	0.28	
17	0.91	2.81	0.81	2.63	3.47	0.36	2.97	-0.54	2.89	-0.60	2.57	-0.31	17
	-0.65		-0.87		2.47	0.33	1.84	0.43	1.87	0.71	2.36	0.24	
18	2.23	0.85	2.44	0.50	3.55	-0.01	3.39	-0.54	2.75	-0.70	2.56	-0.08	18
	2.44	-0.98	2.57	-0.40	2.17	0.36	1.95	0.62	1.87	0.37	2.47	0.28	
19	2.00	0.52	2.99	0.44	3.74	-0.08	3.47	-0.62	2.62	-0.73	2.52	-0.06	19
	2.06	-1.19	2.54	0.05	2.20	0.32	2.08	0.69	1.83	0.25	2.45		
20	1.83	0.11	3.52	0.95	3.55	-0.50	3.44	-0.60	2.47	-0.72	0.83	2.19	20
	1.95	-1.01	2.35	-0.62	2.26	0.74	2.17	0.74	1.93	0.21	-0.25	2.19	
21	2.02	0.00	2.72	-0.43	3.68	-0.49	3.44	-0.62	2.50	-0.50	-0.21	2.10	21
	2.27	-0.52	1.93	-0.21	2.25	0.73	2.16	0.59	2.18		-0.09	2.18	
22	2.44	-0.02	3.10	-0.50	3.62	-0.57	3.37	-0.65	0.38	2.91	-0.31	1.94	22
	2.39	-0.48	2.12	0.11	2.35	0.83	2.16	0.54	-0.43	2.12	-0.11	2.27	
23	2.34	-0.59	3.31	-0.45	3.66	-0.55	3.21	-0.57	0.12	2.29	-0.53	1.59	23
	2.08	-0.43	2.22	0.33	2.40		2.24		-0.44	2.08	-0.28	2.09	
24	2.46	-0.62	3.45	-0.54	0.84	3.37	0.53	3.21	0.00	2.06	-0.82	1.40	24
	2.33	0.24	2.30	0.63	-0.59	2.21	-0.56	2.26	-0.47	1.97	-0.14	2.16	
25	2.98	-0.42	3.57	-0.54	0.51	2.95	0.44	2.98	-0.14	1.88	-0.79	1.46	25
	2.36	0.18	2.35		-1.06	2.00	-0.66	2.35	-0.24	2.37	0.25	2.44	
26	2.81	-0.79	0.67	3.40	0.41	2.73	0.39	2.86	0.11	2.10	-0.56	1.68	26
	1.99		-0.49	2.58	-1.04	2.12	-0.47	2.56	0.23	2.72	0.66	2.69	
27	0.07	2.87	0.99	3.70	0.51	2.74	0.46	2.77	0.00	1.66	-0.40	1.78	27
	-0.85	1.86	-0.43	2.53	-1.01	2.19	-0.84	2.96	-0.07	2.47	1.14	2.83	
28	0.22	2.58	0.98	3.45	0.42	2.37	0.61	2.58	-0.41	1.28	-0.43	1.85	28
	-0.94	1.96	-0.44	2.47	-1.06	2.26	-0.04	3.08	0.00	2.38	0.90	2.56	
29	0.45	2.66	0.94	3.15	0.23	2.10	0.38	2.05	-0.75	1.13	-0.59	1.95	29
	-0.99	2.06	-0.82	2.56	-0.92	2.39	-0.17	2.80	0.38	2.40	0.67		
30	0.68	2.67	1.08	3.10	0.11	1.60	-0.04	1.48	-0.88	1.16	2.64	-0.45	30
	-0.95	2.10	-0.51	2.93	-0.66		-0.21	2.77	0.69		2.09	0.50	
31			1.30	2.86			-0.43	1.23	2.61	-0.87			31
			-0.30				0.11	2.90	1.34	0.73			
MAXIMUM	3.10		3.70		4.35		3.57		3.25		3.26		MAXIMUM
MINIMUM	-1.19		-1.13		-1.06		-0.87		-0.92		-0.83		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 7.2 - 12-26-65

ZERO OF GAGE: 1939 TO 1943 -4.10 USGS
1943 0.00 USGS
1964 -0.59 USGS
1964 TO DATE 0.00 USGS

TABLE B-12 (CONTINUED)

DAILY TIDES

895460 MIDDLE RIVER AT BACON ISLAND
OCTOBER 1, 1974, THROUGH MARCH 30, 1975

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.51	2.97	2.43	5.24	2.49	5.35	1.85	5.06	3.10	6.26	2.98	6.27	01
	6.03		3.65	6.50	3.99	6.79	3.04	5.71	3.18	5.58	2.90	5.57	
02	3.01	5.61	2.55	5.35	2.55	5.58	2.07	5.29	3.48	6.57	3.09	6.18	02
	3.45	6.38	3.90	6.52	4.12	6.69	2.87	5.16	3.20	5.27	2.56	4.94	
03	3.03	5.67	2.43	5.24	2.60	5.71	1.90	5.22	3.24	6.48	2.91	5.93	03
	3.52	6.29	3.79	6.33	4.08	6.51	2.49	4.59	2.89		2.28	4.87	
04	2.78	5.48	2.29	5.18	3.19	6.23	1.93	5.57	5.31	4.21	3.52	6.24	04
	3.57	6.38	3.77	6.21	4.35	6.46	2.40	4.31	6.87	2.89	2.59		
05	2.74	5.36	2.32	5.31	2.77	5.85	2.15	5.58	5.07	3.71	5.24	3.95	05
	3.72	6.42	3.78	6.00	3.57	5.41	2.15		6.34	2.46	6.35	2.63	
06	2.61	5.22	2.23	5.32	2.30	5.67	4.19	2.64	4.90	3.66	5.39	4.19	06
	3.83	6.31	3.57	5.56	3.04	4.85	6.16	2.49	6.17	2.42	6.30	2.53	
07	2.45	5.27	2.16	5.60	2.35	5.85	4.77	3.31	5.18	3.86	5.30	4.07	07
	4.14	6.56	3.57	5.61	2.74		6.34	2.41	6.43	2.63	6.71	3.31	
08	2.72	5.46	2.32	5.52	4.78	2.63	5.11	4.02	5.41	3.91	5.91	4.13	08
	4.19	6.31	2.92		5.76	2.36	6.90	2.90	6.49	2.87	6.35	2.95	
09	2.52	5.52	5.11	2.33	4.61	2.92	5.25	3.62	6.01	4.15	5.67	3.76	09
	3.97	6.15	5.60	2.60	4.61	2.35	6.26	2.13	6.80	3.61	6.23	2.87	
10	2.48	5.55	4.91	2.47	4.83	3.24	4.88	3.44	6.30	4.15	5.80	3.45	10
	3.55		5.69	2.35	6.29	2.40	6.15		6.62		6.20	3.05	
11	5.97	2.51	4.86	2.63	4.94	3.46	2.02	4.74	3.05	5.73	5.95	3.56	11
	5.59	3.12	5.82	2.29	6.35	2.33	3.31	6.07	3.68	6.25	6.16	3.12	
12	5.69	2.39	4.90	2.89	4.98	3.59	1.99	4.69	2.89	5.74	5.86	3.33	12
	5.58	2.78	6.06	2.29	6.42		3.06	5.60	3.62	6.27	5.90		
13	5.57	2.62	5.06	3.24	2.43	5.05	1.68	4.49	3.21	6.30	3.07	5.94	13
	5.79	2.65	6.34		3.56	6.18	2.92	5.55	4.01	6.27	3.41	6.06	
14	5.52	2.77	2.43	5.20	2.06	4.81	1.81	4.72	3.40	6.27	3.28	5.89	14
	5.97	2.57	3.51	6.54	3.38	6.06	3.06	5.45	3.85	5.79	3.01	5.58	
15	5.41	2.85	2.64	5.42	2.06	4.83	1.89	4.87	3.20	5.91	3.23	5.97	15
	5.97		3.76	6.56	3.40	5.83	3.05	5.35	3.36	5.33	2.92	5.61	
16	2.38	5.29	2.49	5.29	1.91	4.76	1.95	5.02	3.20	6.09	3.92	6.54	16
	3.04	6.17	3.83	6.40	3.38	5.65	2.98	4.90	3.40	4.72	3.17	5.38	
17	2.41	5.30	2.40	5.23	1.99	4.99	1.89	4.99	3.11	5.78	3.51	6.05	17
	3.23	6.24	3.76	6.03	3.55	5.61	2.70	4.43	3.01	4.45	2.69	5.14	
18	2.35	5.26	2.18	5.28	2.03	5.13	1.85	4.89	3.15	5.74	3.73	6.18	18
	3.47	6.32	3.99	5.93	3.58	5.13	2.50	4.14	2.64	4.28	2.76	5.04	
19	2.52	5.51	2.21	5.15	1.86	5.04	2.06	4.98	3.50	6.04	3.96	6.31	19
	3.90	6.44	3.73	5.34	3.26	4.62	2.16	3.66	2.65		2.98	5.24	
20	2.71	5.56	2.02	5.20	1.93	4.99	2.26	5.22	4.86	4.08	4.23	6.09	20
	4.13	6.28	3.82	5.38	2.92	4.11	2.16		6.22	2.32	2.53		
21	2.52	5.29	2.57	6.36	1.91	5.20	3.94	2.95	4.65	3.77	5.14	4.11	21
	3.96	4.77	4.59	5.31	2.94	4.12	5.63	2.05	6.06	2.06	5.95	3.31	
22	2.32	5.43	2.69	5.63	2.26	5.40	4.09	3.25	4.48	3.34	6.16	4.55	22
	4.13	5.80	3.11	4.44	2.36	3.83	5.83	1.88	5.86	1.93	6.52	3.00	
23	2.54	5.42	2.36	5.33	2.52	5.42	4.25	3.42	4.75	3.11	5.86	3.94	23
	3.73	5.24	2.59		2.02		6.09	1.99	5.93	2.04	6.29	2.78	
24	2.33	5.38	4.27	2.44	3.82	2.71	4.54	3.47	4.49	3.01	5.99	3.64	24
	3.36		5.41	2.60	5.57	1.89	6.26	2.07	6.10	2.36	6.43	3.18	
25	5.19	2.59	4.82	3.02	4.16	3.06	4.78	3.48	5.42	3.14	6.77	4.75	25
	5.55	3.27	5.89	2.43	6.00	2.06	6.41	2.23	6.23		7.30	3.76	
26	5.37	2.90	4.49	3.15	4.63	3.49	5.03	3.58	2.68	5.65	6.39	3.77	26
	5.82	3.16	6.06	2.42	6.39	2.22	6.57		2.97	5.95	6.43	3.46	
27	5.38	3.03	4.89	3.41	4.98	3.89	2.27	4.97	2.56	5.63	6.30	3.55	27
	5.94	3.02	6.28	2.38	7.05	2.89	3.28	6.43	2.69	5.04			
28	5.76	3.85	5.07	3.64	5.53	3.95	2.24	5.05	2.61	5.89	3.41	6.47	28
	6.91	3.59	6.50		6.69		2.97	6.19	2.69	5.51	2.99	5.66	
29	5.59	3.38	2.41	5.11	2.66	5.28	2.24	5.21			3.36	6.67	29
	6.28	2.75	3.61	6.49	3.62	6.54	2.57	5.81			2.93	5.76	
30	5.32	3.37	2.41	5.25	2.20	5.06	2.28	5.50			3.57	6.71	30
	6.21		3.86	6.71	3.42	6.47	2.90	5.69			2.89	5.88	
31	2.50	5.18			2.49	4.84	2.44	5.64			3.95	6.95	31
	3.46	6.32			2.91	5.69	2.84	5.91			3.25	5.70	
MAXIMUM		6.91	6.71		7.05		6.90		6.87		7.30		MAXIMUM
MINIMUM		2.32	2.02		1.83		1.68		1.93		2.28		MINIMUM

LOCATION: LAT. 38 00 07, LONG. 121 31 22, SW SEC. 22, T2N, R4E,
AT NE CORNER OF BACON ISLAND AT JUNCTION OF MIDDLE
RIVER AND CONNECTION SLOUGHPERIOD OF RECORD: OCT 1948 TO SEPT 1966
MAR 1968 TO DATE

TABLE A-12 (CONTINUED)
DAILY TIDES
895400 MIDDLE RIVER AT BACON ISLAND
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.03	6.30	3.94	5.86	4.32	5.55	2.99	4.38	2.52	4.56	6.32	2.32	01
	2.45	5.13	2.26	5.36	3.07		2.69	5.89	3.69	6.34	5.01	3.53	
02	3.74	5.75	3.76	5.28	6.28	3.87	2.69	4.19	2.38	4.74	6.23	2.29	02
	2.32		2.06		5.16	3.01	3.04		3.89		5.13	3.43	
03	5.11	3.86	5.40	3.41	6.15	3.26	6.00	2.47	6.48	2.31	6.33	2.39	03
	5.05	2.44	4.92	2.30	4.79	3.17	4.37	3.51	4.49	4.01	5.32	3.21	
04	5.38	4.05	5.67	3.28	6.32	3.08	6.28	2.39	6.80	2.64	6.30	2.51	04
	5.59	2.57	4.55	2.08	5.02	3.85	4.63	1.80	5.45	4.07	5.53	3.15	
05	5.63	3.92	5.35	2.73	7.01	3.46	6.43	2.27	6.91	2.64	6.31	2.74	05
	5.49	2.57	4.37	2.29	5.66	4.25	4.77	3.80	5.51	3.89	5.83	3.15	
06	5.55	3.47	5.27	2.44	7.08	3.37	6.65	2.37	6.85	2.61	6.27	3.01	06
	5.43	2.55	4.51	2.60	5.79	4.31	5.11	4.12	5.47	3.95	6.17		
07	5.56	3.22	5.56	2.34	6.96	2.95	6.83	2.54	6.50	2.21	3.22	6.17	07
	5.46	2.69	4.77	2.86	5.98	4.29	5.29	3.99	5.16	2.98	3.16	6.42	
08	5.68	2.99	5.79	2.36	7.14	2.89	6.80	2.41	6.16	2.21	3.23	6.07	08
	5.43	2.82	5.03	3.26	5.70	4.28	5.29	3.89	5.38		3.36	6.61	
09	5.71	2.82	6.12	2.45	7.07	2.77	6.85	2.52	2.98	6.08	3.68	5.71	09
	5.45	3.12	5.16	3.55	5.72	4.32	5.42	3.73	2.43	5.72	3.30	6.67	
10	5.80	2.73	6.18	2.34	7.18	2.93	6.68	2.47	3.03	5.47	3.19	5.72	10
	5.53	3.22	5.14	3.38	6.05	4.63	5.46		2.64	6.04	3.67	6.76	
11	5.98	2.72	6.11	2.10	7.49	3.34	1.64	6.47	3.18	5.93	3.07	5.60	11
	5.58	3.54	4.89	3.25	6.27		2.44	5.57	3.05	6.44	3.96	6.74	
12	6.21	2.58	6.08	1.99	4.64	7.25	3.44	6.14	3.29	5.80	3.09	5.59	12
	5.42	3.64	5.06	3.63	2.89	5.97	2.44	5.76	3.21	6.55	4.17	6.75	
13	6.32	2.65	6.36	2.30	4.24	6.73	3.35	5.61	3.09	5.27	3.00	5.47	13
	5.60		5.66		2.73	6.22	2.57	6.15	3.28	6.52	4.21	6.56	
14	3.96	6.64	4.42	6.89	4.57	6.81	3.54	5.99	2.88	5.14	2.87	5.41	14
	2.81	5.60	2.83	5.65	3.15	6.58	2.99	6.44	3.55	6.54	3.93		
15	3.95	6.33	4.17	6.51	4.43	6.44	3.70	5.23	2.73	5.21	6.16	2.74	15
	2.30	5.23	2.50	5.63	3.23	6.56	2.69	6.18	3.82		5.86	3.72	
16	3.94	6.26	4.11	6.29	3.83	5.79	2.71	4.78	5.68	2.69	6.17	2.77	16
	2.32	5.22	2.42	6.70	2.37	6.54	2.86	6.38	5.32	1.49	5.64	3.43	
17	4.06	6.16	3.95	5.91	3.44	5.53	2.62	5.05	6.56	2.54	6.05	2.80	17
	2.41	5.34	2.18	5.60	3.45		3.62		5.48	3.80	5.68	3.18	
18	4.01	6.75	3.65	5.67	6.72	3.04	6.69	2.62	6.45	2.45	6.08	3.04	18
	2.12		2.70		5.20	3.45	5.15	3.80	5.30	3.54	5.84	3.45	
19	5.13	3.67	6.11	3.56	6.99	2.98	6.72	2.53	6.29	2.41	6.03	3.04	19
	5.46	1.87	5.63	3.20	5.23	3.41	5.27	1.98	6.28	3.42	5.84	3.16	
20	5.13	3.23	6.66	3.66	6.74	2.56	6.72	2.54	6.11	2.40	5.69	2.87	20
	5.30	2.07	5.19	2.39	5.32	3.87	5.38	3.91	5.39	1.78	5.67	2.91	
21	5.48	3.12	5.98	2.54	6.91	2.57	6.68	2.52	6.15	2.94	5.43	3.03	21
	5.59	2.59	5.04	2.92	5.37	3.87	5.37	3.77	5.65	3.54	5.78		
22	5.94	3.12	6.35	2.45	6.85	2.51	6.64	2.44	6.16	2.72	2.82	5.41	22
	5.64	2.86	6.24	3.22	5.49	3.97	5.41	3.71	5.80	3.10	3.82	5.72	
23	5.93	2.55	6.55	2.60	6.82	2.56	6.59	2.57	5.99	2.71	2.59	5.07	23
	5.34	2.72	5.36	3.45	5.57	4.02	5.49	3.73	5.63		2.46	5.58	
24	6.09	2.50	6.69	2.50	6.68	2.52	6.51	2.54	3.15	5.67	2.31	4.83	24
	5.74	3.41	5.44	3.75	5.38		5.52		5.62		2.99	6.64	
25	6.59	2.71	6.86	2.47	3.68	6.26	3.62	6.23	3.03	5.50	2.33	4.84	25
	5.62	3.12	5.46	3.78	2.02	5.18	2.50	5.61	2.94	5.87	3.35	5.90	
26	6.38	2.29	6.75	2.46	3.58	6.02	3.64	6.11	3.30	5.80	2.53	5.04	26
	5.25	3.24	5.72		2.06	5.32	2.69	5.43	3.49	6.20	3.73	6.12	
27	6.34	2.24	6.11	6.83	3.49	5.91	3.70	5.99	3.17	5.09	2.49	5.18	27
	5.20		2.54	5.64	2.10	5.39	3.11	6.18	3.10	5.97	4.11	6.21	
28	3.38	6.24	4.64	6.53	3.61	5.53	3.84	5.77	2.77	4.65	2.65	5.22	28
	2.13	5.20	2.49	5.40	2.08	5.47	3.14	6.24	3.16	5.49	3.87	6.04	
29	3.63	6.23	4.07	6.24	3.56	5.24	3.56	5.24	2.44	4.48	2.48	5.28	29
	2.13	5.30	2.21	5.70	2.34	5.58	3.05	6.08	3.43	5.94	3.77	6.14	
30	3.87	6.14	4.33	6.19	3.31	4.71	3.18	4.86	2.30	4.62	2.41	5.44	30
	2.19	5.35	2.53	6.07	2.49	5.77	2.98	6.01	3.16	6.19	3.60		
31			4.48	5.93			2.78	4.39	2.28	4.84			31
			2.79	6.17			3.27	6.14	3.92				
MAXIMUM	6.64		6.89		7.49		6.85		6.91		6.79		MAXIMUM
MINIMUM	1.87		1.99		2.02		2.27		2.21		2.29		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 10.2 - 12-26-55

ZERO OF GAGE: 1948 -2.04 MCGS
1964 -3.65 MCGS
1964 TO DATE -3.00 MCGS

TABLE B-12 (CONTINUED)

DAILY TIDES

895300 OLD RIVER NEAR TRACY ROAD BRIDGE
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.56 2.80	5.41 5.27	2.83 3.71	5.65 6.49	2.97 4.08	5.71 5.91	NR	NR	2.87 3.05	4.93	2.92 2.83	4.93 4.75	01
02	2.85 3.28	5.57 6.32	3.10 4.09	5.82 6.31	3.02 4.20	5.91 6.19	NR	NR	4.85 5.72	3.28 3.17	2.98 2.54	4.83	02
03	2.93 3.31	5.62 5.40	2.97 3.98	5.69 6.06	2.98 3.86	5.81 6.22	2.30 2.67	4.75 4.27	5.17 5.55	3.13 2.86	3.84 4.82	2.75 2.29	03
04	2.65 3.33	5.41 5.70	2.85 3.98	5.64 6.62	3.55 4.51	6.62 6.28	2.19 2.69	4.72	5.27 6.10	3.92 2.87	4.83 5.41	3.28 2.56	04
05	2.62 3.50	5.33 5.76	2.80 3.95	5.04 5.87	3.25 3.77	5.67 5.81	4.05 4.66	2.42 2.44	5.09 5.63	3.53	5.21 5.60	3.68 2.61	05
06	2.69 3.55	5.18 5.69	2.79 3.76	5.74 5.96	2.79 3.34	5.85 5.85	3.70 5.44	2.73 2.80	2.62 3.55	4.99 5.67	4.82 5.45	3.95 2.46	06
07	2.30 3.82	5.22 6.00	2.63 3.71	5.36 6.06	5.27 5.48	2.79 3.10	4.94 5.61	3.27	2.70 3.81	5.30 5.91	4.29 5.92	3.70	07
08	2.57 3.89	5.44 6.00	2.62 3.38	2.75 3.17	5.21 4.99	3.00 2.80	2.57 3.94	4.63 6.25	2.97 3.93	5.59 5.78	3.25 3.45	5.21 5.78	08
09	6.27 5.46	2.40 3.68	5.47 5.24	2.68 2.90	5.04 5.62	3.22 3.65	3.14 3.65	4.89 5.78	3.16 4.17	5.47 6.22	3.05 3.71	5.28 5.44	09
10	6.09 5.09	2.34 3.30	5.27 5.59	2.81	2.83 3.42	4.84 5.99	2.34 3.34	4.38 5.60	3.72 4.15	6.22 6.10	2.98 3.62	5.08 6.30	10
11	5.86 5.51	2.40 2.93	2.74 2.88	5.22 6.15	2.95 3.68	5.36 6.06	2.27 3.27	4.28 5.36	3.31 3.75	5.86 5.72	3.20 3.63	5.35 6.29	11
12	5.07 5.40	2.23	2.74 3.10	4.95 6.10	2.92 3.78	5.39 6.75	2.24 2.98	4.09	3.69 3.69	5.87 5.81	3.63 3.40	5.97 5.29	12
13	2.60 2.46	5.41 5.63	2.71 3.41	5.04 6.66	3.01 3.71	5.49 5.42	1.88 2.84	4.03 5.10	3.34 4.04	6.33 6.97	3.20 3.56	5.31 6.17	13
14	2.52 2.56	5.16 5.19	2.92 3.64	4.96 6.88	NR	NR	1.97 2.91	4.67 4.80	2.80 4.19	6.44 5.69	3.43 3.20	5.42 5.73	14
15	2.46 2.65	4.86 5.81	3.15 3.86	5.73 6.30	NR	NR	1.97 2.95	4.34 4.92	3.55 3.62	5.26 5.18	3.36 3.23	5.51 5.87	15
16	2.28 2.80	4.72 6.00	2.93 3.89	5.43 6.14	NR	NR	2.10 2.94	4.68 4.62	3.48 3.81	5.60 4.60	4.01 3.51	6.30 5.69	16
17	2.31 2.98	4.58 5.51	2.85 3.82	5.01 5.55	NR	NR	2.01 2.67	4.42 4.37	3.46 3.25	5.27 4.47	3.66 3.64	6.30 5.44	17
18	2.28 3.23	4.92 6.29	2.60 4.04	5.40 5.81	NR	NR	1.89 2.44	3.95 3.67	3.27 2.85	5.29	3.81 3.11	6.44	18
19	2.44 3.65	5.17 6.18	2.62 3.75	5.30 5.24	NR	NR	2.00 2.15	3.93	4.52 5.42	3.49 2.86	5.37 6.59	3.99 3.21	19
20	2.60 3.86	5.55 6.32	2.40 3.83	4.98 5.72	NR	NR	2.95 4.57	2.12 2.14	4.57 5.74	4.07 2.72	5.16 5.84	4.18 2.84	20
21	2.41 3.69	4.54 5.60	2.79 4.54	5.90 6.30	NR	NR	3.89 5.00	2.71 2.82	4.96 5.76	3.87 5.76	5.38 5.63	4.65 3.44	21
22	2.15 3.88	5.11	5.64 5.46	2.90 3.25	NR	NR	4.08 5.26	3.04 2.02	2.56 3.41	4.71 5.13	5.70 6.22	4.49 3.30	22
23	5.89 4.88	2.43 3.55	4.79 4.82	2.53 2.76	NR	NR	4.29 5.56	3.28	2.32 3.16	4.15 4.85	5.31 5.53	4.04	23
24	5.42 4.90	2.30 3.24	4.20 4.78	2.57 2.78	NR	NR	2.16 3.37	4.61 5.68	2.38 3.10	4.39 5.45	3.16 3.82	5.45 6.13	24
25	5.38 5.27	2.59 3.22	4.43 5.66	3.11	NR	NR	2.27 3.38	4.85 5.51	2.69 3.27	5.57 5.65	3.46 4.83	6.97 7.15	25
26	5.56 5.27	2.99	2.76 3.28	5.05 5.76	NR	NR	2.44 3.49	4.75 5.55	2.95 3.14	4.90 5.53	4.23 4.37	6.75 6.24	26
27	3.20 3.09	5.63 5.48	2.79 3.53	5.23 5.88	NR	NR	2.44 3.49	4.34 5.80	2.80 2.81	4.68 4.95	3.75 4.12	6.83 6.03	27
28	3.09 3.86	5.98 6.74	2.83 3.74	5.08 5.89	NR	NR	2.42 2.81	4.96 5.35	2.68 2.75	4.76 4.92	3.80 3.44	6.73 5.51	28
29	3.69 3.55	5.84 6.31	2.85 3.69	4.81 6.25	NR	NR	2.35 2.87	4.61 5.19	NR	NR	3.61 3.30	6.20 5.45	29
30	2.98 3.57	5.41 5.75	2.89 3.91	5.33 6.36	NR	NR	2.41 2.90	4.74 5.06	NR	NR	3.67 3.20	5.81 5.14	30
31	2.89 3.59	5.56 5.98	NR	NR	NR	NR	2.49 2.52	4.58 5.11	NR	NR	4.00 3.78	6.58 5.99	31
MAXIMUM	6.74		6.88		NR		NR		4.47		7.15		MAXIMUM
MINIMUM	2.15		2.40		NR		NR		2.32		2.29		MINIMUM

NR = NO RECORD

LOCATION: LAT. 37 48 18, LONG. 121 26 55, SE SEC. 32, T15, R5E,
EIGHTY FEET ABOVE TRACY ROAD BRIDGE, 3.5 MILES NORTHWEST
OF TRACY.PERIOD OF RECORD: JUN 1951 TO DEC 1954
FEB 1955 TO DATE

TABLE B-12 (CONTINUED)
DAILY TIDES
895300 OLD RIVER NEAR TRACY ROAD BRIDGE
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.16 2.80	5.88	5.16 5.17	3.56 2.13	6.09 5.74	4.16 3.14	5.52 4.29	2.71 2.34	5.78 3.96	2.15 3.30	4.79 3.96	1.94 3.04	01
02	5.23 5.33	3.63 2.47	5.16 4.72	3.33 1.82	6.32 5.33	3.86 3.06	5.52 4.06	2.41 2.85	5.65 3.94	2.61 3.40	4.77 4.14	1.92 2.91	02
03	4.76 5.28	3.66 2.46	4.31 4.22	3.01 2.09	6.10 5.03	3.31 3.21	5.61 4.21	2.21 3.15	5.58 3.97	2.40 3.43	4.80 4.29	2.02 2.93	03
04	5.36 5.25	3.78 2.52	4.61 3.88	2.94 1.67	6.30 5.25	3.22 3.02	5.96 4.53	2.11 3.44	5.86 4.72	2.32 3.71	2.74 2.11	4.74 4.44	04
05	4.89 5.16	3.67 2.50	4.04 4.18	2.50 2.13	7.11 5.93	3.66 4.26	6.07 4.67	2.08 3.43	5.44 4.82	2.33 3.43	2.68 2.35	4.73 4.74	05
06	4.62 4.50	3.29 2.47	4.08 4.11	2.27 2.43	7.09 5.99	3.58 4.27	6.37 5.02	2.21 3.78	3.48 2.38	5.37 5.06	2.72 2.60	4.65 4.67	06
07	4.28 5.10	3.05	4.33 4.36	2.21 2.70	7.10 5.87	3.20	6.59 5.15	2.39	3.15 1.98	5.00 4.39	2.83 2.77	4.70 4.86	07
08	2.62 2.97	4.67 5.03	4.58 4.59	2.26	4.27 3.36	7.25 5.94	3.60 2.26	6.53 5.11	2.61 1.94	5.07 4.37	2.86 2.89	4.73 5.42	08
09	2.78 2.83	4.78 5.49	3.68 2.38	4.93 5.06	4.17 3.18	7.24 5.95	3.54 2.36	6.57 5.23	2.61 2.13	4.91 4.34	2.73 2.88	4.63 5.46	09
10	3.12 2.96	5.02 5.22	3.17 2.32	4.94 4.45	4.34 3.32	7.35 6.28	3.39 2.33	6.41 5.25	2.69 2.31	4.58 4.84	2.81 3.20	4.71 5.56	10
11	3.28 2.89	5.22 5.49	3.13 2.13	4.80 3.70	4.58 3.69	7.68 6.51	3.30 2.24	6.13 5.28	2.83 2.68	4.59 3.49	2.69 3.49	4.63 5.63	11
12	3.54 2.81	5.29 5.14	3.00 1.96	4.67 4.60	4.55 3.29	7.43 6.18	3.09 2.26	5.86 5.45	5.19 4.58	2.94 2.83	5.62 4.73	2.72 3.67	12
13	3.51 2.84	5.64 5.22	3.31 2.31	5.25 5.42	4.11 3.00	6.89	3.05 2.38	5.66	5.29 4.51	2.75 2.90	2.67 4.91	2.67 3.75	13
14	3.82 2.99	6.35 5.71	4.12 2.83	5.02 5.06	6.35 6.95	4.34 3.35	5.84 5.07	3.22 2.71	5.12 4.05	2.52 3.16	5.42 4.36	2.88 3.55	14
15	3.85 2.56	5.75 5.34	3.95 2.60	6.30	6.72 6.86	4.36 3.50	6.00 5.04	2.90 2.41	5.08 4.58	2.36 3.53	5.35 4.85	2.41 3.29	15
16	3.79 2.47	5.79	5.66 6.11	3.93 2.55	6.69 6.00	3.98 3.28	5.67 4.59	2.44 2.53	5.31 4.29	2.42 3.56	5.05 4.96	2.36 3.00	16
17	5.32 5.87	3.95 2.44	5.70 5.94	3.75 2.34	6.55 5.88	3.62 3.60	5.96 4.83	2.36 3.27	5.14 4.12	2.33 3.53	4.92 5.02	2.44	17
18	5.33 5.53	3.76 2.20	5.64 5.82	3.48 2.77	6.77 5.48	3.32 3.65	6.28 4.95	2.41 3.44	5.05 4.47	2.29 3.24	2.98 2.68	4.84 5.05	18
19	5.17 4.83	3.46 1.95	6.16 5.72	3.53 3.19	6.40 5.48	3.31 3.59	6.43 5.07	2.32 3.52	4.99 4.48	2.26	3.06 2.69	5.83 5.04	19
20	4.61 4.74	3.07 2.11	6.74 5.64	4.24 2.82	6.84 5.51	2.90 3.89	6.43 5.22	2.38 3.61	3.15 2.27	4.88 4.54	2.82 2.53	4.56 4.68	20
21	4.83 5.40	3.00 2.63	5.95 5.18	2.81 2.41	6.92 5.45	2.79	6.45 5.20	2.33	3.12 2.44	4.95 4.58	2.59 2.68	4.36 4.40	21
22	5.22 5.20	3.00 2.55	6.32 5.34	2.70 3.20	3.75 2.63	6.83 5.46	3.31 2.29	6.34 5.18	3.25 2.50	4.94 4.75	2.52 2.62	4.15 4.76	22
23	4.82 4.85	2.43	6.54 5.46	2.76	3.77 2.63	6.76 5.52	3.34 2.35	6.20 5.23	3.01 2.47	4.60 4.62	2.25 2.43	4.05 4.51	23
24	2.58 2.36	4.90 5.27	3.38 2.69	4.64 5.62	3.74 2.51	6.52 5.33	3.36 2.33	6.13 5.24	2.88 2.45	4.39 4.28	1.99 2.54	3.82 4.53	24
25	3.19 2.65	5.53 5.46	3.63 2.76	6.74 5.68	3.45 2.09	6.10 5.11	3.17 2.23	5.93 5.33	2.75 2.61	4.37 4.97	2.88 2.93	4.02 4.93	25
26	3.16 2.33	5.49 4.81	3.67 2.77	6.84 5.77	3.30 2.05	5.87 5.23	3.19 2.42	5.83 4.49	2.99 3.05	4.66 4.26	2.26 3.27	4.24 5.19	26
27	3.05 2.27	5.59 4.48	3.98 2.85	6.88 5.76	3.38 2.09	5.86 5.29	3.25 2.83	5.77 5.46	2.87 2.75	4.61 4.94	2.36 3.82	4.32	27
28	3.14 2.18	5.14 4.91	4.00 2.86	6.53 5.71	3.32 2.02	5.49	3.49 2.81	5.58 5.91	2.47 2.78	4.07	5.39 4.33	2.39 3.55	28
29	3.31 2.05	5.34	3.93 2.42	6.29	5.31 2.23	3.14 2.16	3.19 2.66	4.99	4.82 3.85	2.15 3.18	5.01 4.60	2.22 3.35	29
30	5.18 5.43	3.51 2.06	5.79 6.32	4.07 2.72	5.43 4.67	3.05 2.24	5.71 4.20	2.78 2.57	NR	NR	5.13 4.67	2.36 3.22	30
31			6.03 6.09	4.25 2.90			5.71 4.07	2.39 2.88	NR	NR			31
MAXIMUM	6.35		6.88		7.68		6.59		NR		5.70		MAXIMUM
MINIMUM	1.95		1.82		2.02		2.68		NR		1.92		MINIMUM

NR - NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 13.2 - 12-29-55

ZERO OF GAGE: 1958 -4.44 USCGS
1964 -4.47 USCGS
1964 TO DATE -3.00 USCGS

TABLE R-12 (CONTINUED)

DAILY TIDES

893420 TOM PAINE SLUGH ABOVE MOUTH
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.78 2.99	5.45 5.41	3.05 4.11	5.72 6.56	3.22 4.22	5.74 5.98	NR	NR	3.14 3.31	5.00 4.87	3.19 3.11	4.99 4.82	01
02	3.06 3.48	5.62 6.36	3.35 4.28	5.86 6.36	NR	NR	NR	NR	3.51 3.44	5.76	3.24 2.84	4.90	02
03	3.12 3.66	5.68 5.47	3.25 4.18	5.75 6.12	NR	NR	2.54 2.85	4.79 4.33	5.15 5.58	3.38 3.06	3.93 4.87	3.00 2.61	03
04	2.84 3.48	5.45 5.74	3.16 4.19	5.78 6.08	NR	NR	2.41 2.92	4.79	5.29 6.14	4.07 3.15	4.85 5.46	3.49 2.87	04
05	2.80 3.64	5.37 5.90	3.22 4.15	5.21 5.95	NR	NR	4.10 4.70	2.66 2.73	5.13 5.86	3.76	5.24 5.65	3.88 2.92	05
06	2.67 3.67	5.23 5.75	3.10 3.97	5.80 6.01	NR	NR	3.76 5.47	2.91 3.01	2.97 3.81	5.03 5.71	4.88 5.51	4.10 2.79	06
07	2.47 3.92	5.26	2.92 3.88	5.42	NR	NR	4.92 5.66	3.42	3.12 4.11	5.36 5.99	4.39 5.95	3.89	07
08	6.07 5.49	2.73 4.01	6.07 5.40	3.03 3.38	NR	NR	2.78 4.06	4.64 4.29	3.39 4.26	6.65 6.45	3.54 4.17	5.28 5.83	08
09	6.31 5.51	2.58 3.80	5.50 5.34	2.92 3.13	NR	NR	3.38 3.84	4.96 5.83	3.58 4.45	6.58 6.10	3.36 3.95	5.35 5.49	09
10	6.13 5.16	2.51 3.44	5.38 5.66	3.82	NR	NR	2.65 3.52	4.36 5.64	4.06 4.46	6.51 6.17	3.31 3.88	5.15 6.34	10
11	5.87 5.34	2.56 4.07	2.99 3.11	4.26 4.19	NR	NR	2.58 3.44	4.36 5.41	3.69 4.09	6.93 6.41	3.53 3.92	6.43 6.31	11
12	5.13 5.43	2.40	3.00 3.30	5.00 5.09	NR	NR	2.57 3.22	4.24 4.66	3.25 4.05	5.70 6.11	3.58 3.72	6.02 6.37	12
13	2.77 2.63	5.43 5.66	2.97 3.59	5.07 6.70	NR	NR	2.24 3.04	4.10 5.13	3.74 4.37	6.40 6.76	3.55 3.87	5.44 6.23	13
14	2.68 2.73	5.15 5.81	3.17 3.81	5.00 4.93	NR	NR	2.28 3.09	4.70 4.95	3.99 4.53	6.49 6.51	3.76 3.54	6.57 5.77	14
15	2.63 2.80	4.91 5.83	3.37 4.02	5.73 6.36	NR	NR	2.27 3.14	4.42 4.90	3.95 4.04	6.41 6.33	3.70 3.59	6.67 6.01	15
16	2.46 2.96	4.78 6.03	3.18 4.05	5.45 6.21	NR	NR	2.42 3.18	4.72 4.71	3.92 4.22	6.80 6.85	4.30 4.36	6.39 6.74	16
17	2.48 3.13	4.64 5.67	3.10 3.97	5.05 5.59	NR	NR	2.36 2.93	4.47 4.42	3.94 3.88	6.61 6.06	3.96 3.43	6.14 5.48	17
18	2.49 3.39	5.02 6.34	2.86 4.17	5.40 5.84	NR	NR	2.25 2.72	4.02 3.77	3.88 3.31	6.41	4.10 3.50	6.47	18
19	2.65 3.79	5.25 6.20	2.88 3.90	5.30 6.28	NR	NR	2.34 2.46	4.01	4.62 5.49	6.73 7.28	5.41 6.43	6.25 7.48	19
20	2.60 3.99	5.42 6.36	2.88 3.97	5.01 6.79	NR	NR	3.88 4.61	2.41 2.44	4.72 5.43	6.32 7.19	5.20 5.91	6.42 7.24	20
21	2.61 3.81	4.70 5.68	3.03 4.67	5.00 5.86	NR	NR	3.93 5.05	2.91 2.30	5.04 5.93	6.18 6.71	5.44 5.71	6.33 7.00	21
22	2.35 3.99	5.17	5.66 6.50	3.11 4.43	NR	NR	4.13 5.34	3.21 2.38	3.64 3.74	6.79 6.20	5.82 6.26	6.74 7.49	22
23	5.94 4.95	2.63 3.48	4.82 4.67	2.75 2.97	NR	NR	4.34 5.61	3.47	2.90 3.20	4.31 4.95	5.37 5.63	4.45	23
24	5.46 4.96	2.51 3.39	4.23 4.81	2.76 2.97	NR	NR	2.53 3.58	4.65 5.72	2.94 3.41	4.47 5.48	3.60 4.17	6.41	24
25	5.43 5.31	2.79 3.19	4.47 5.71	3.29	NR	NR	4.90 5.57	3.61	3.05 3.95	6.60 6.60	3.85 5.12	7.08 7.26	25
26	5.63 5.34	3.19 3.19	3.00 3.44	5.08 5.81	NR	NR	2.77 3.73	4.83 5.61	3.28 3.46	6.10 6.57	4.56 4.71	6.81 6.30	26
27	5.68 5.54	3.28	3.02 3.70	5.26 5.95	NR	NR	2.78 3.66	4.41 5.85	3.18 3.14	4.77 4.94	4.10 4.48	6.87 6.12	27
28	3.30 4.02	6.14 6.77	3.08 3.96	5.17 5.94	NR	NR	2.72 3.00	4.97 5.41	3.02 3.05	4.81 4.88	4.14 3.83	6.78 6.67	28
29	3.87 3.72	5.88 6.10	3.10 3.85	4.85 6.30	NR	NR	2.64 3.13	4.64 5.22	3.04	4.94	3.95 3.49	6.20 6.60	29
30	3.19 3.74	5.66 6.81	3.14 4.06	5.21 6.43	NR	NR	2.74 3.18	4.78 5.08	3.04	4.88	4.00	6.07	30
31	3.11 3.77	5.61 6.83			NR	NR	2.83 2.82	4.96 5.14			4.31 4.14	6.44 6.87	31
MAXIMUM	6.77		6.93		NR		NR		6.51		7.25		MAXIMUM
MINIMUM	2.35		2.68		NR		NR		2.80		2.61		MINIMUM

NR - NO RECORD

LOCATION: LAT. 37 47 27, LONG. 121 25 03, ME. SEC. 4, T25, R5E,
0.1 MILE EAST OF MOUTH OF SUGAR CUT, 2.2 MILES ABOVE
MOUTH, 2.6 MILES NORTH OF TRACY. STATION WAS DISCONTINUED
9-30-66 AND REACTIVATED 2-26-68.

PERIOD OF RECORD: JUNE 51 TO OCT 53 (IRRIGATION
SEASON ONLY)
APR 54 TO SEPT 66
MAR 68 TO DATE

TABLE H-12 (CONTINUED)
DAILY TIDES
895420 TOM PAINE SLUGH ABOVE MOUTH
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.46 3.24	5.99	5.17 5.20	3.72 2.40	4.18 5.01	4.37 3.46	5.55 4.33	2.93 2.52	5.74 3.96	2.34 1.37	5.07 4.23	2.17 3.19	01
02	5.29 5.41	3.93 2.92	5.16 4.78	3.44 2.09	5.16 5.41	4.13 3.41	5.55 4.11	2.64 2.82	5.68 3.99	2.71 3.49	5.03 4.39	2.16 3.25	02
03	4.88 5.33	3.93 2.85	4.37 4.27	3.19 2.35	6.17 5.12	3.69 3.54	5.63 4.26	2.44 3.32	5.60 4.04	2.21 3.52	5.06 4.52	2.43 3.09	03
04	5.40 5.28	3.97 2.86	4.65 3.93	3.15 2.19	6.35 5.32	3.62 4.13	5.98 4.58	2.39 3.57	5.92 4.74	2.51 3.82	4.99 4.67	2.44 3.01	04
05	4.81 5.20	3.87 2.82	4.11 4.24	2.78 2.46	7.16 6.02	4.05 4.56	6.09 4.70	2.37 3.57	5.50 4.88	2.53 3.62	3.03 2.74	4.99 5.01	05
06	4.67 5.13	3.53 2.79	4.16 4.16	2.50 2.72	7.17 6.09	3.97 4.58	6.39 5.05	2.49 3.92	5.43 5.10	2.54 3.12	3.12 2.99	4.91 5.13	06
07	4.37 5.13	3.30	4.41 4.44	2.54 2.97	7.18 5.96	3.66 4.57	6.62 5.19	2.61	3.30 2.19	5.06 4.45	3.21 3.16	4.95 5.13	07
08	2.95 3.16	4.70 5.08	4.65 4.69	2.61	7.32 6.02	3.75	3.77 2.51	6.55 5.13	2.78 2.16	5.09 4.42	3.26 3.29	5.00 5.69	08
09	3.09 3.16	4.86 5.19	3.31 2.72	5.02 5.11	4.51 3.86	7.30 6.03	3.68 2.60	6.61 5.25	2.77 2.33	4.95 4.44	3.13 3.27	4.89 5.71	09
10	3.43 3.22	5.11 5.25	3.44 2.71	5.02 4.50	4.66 3.60	7.41 6.38	3.57 2.56	6.42 5.26	2.86 2.50	4.64 4.87	3.22 3.56	4.96 5.81	10
11	3.58 3.23	5.18 5.71	3.38 2.50	4.86 3.79	4.90 4.12	7.76 6.59	3.49 2.48	6.15 5.29	2.99 2.86	4.65 4.63	3.12 3.83	4.89 4.01	11
12	3.80 3.15	5.35 5.19	3.18 2.34	4.74 4.69	4.89 3.75	7.50 6.25	3.27 2.48	5.86 5.46	3.13 3.01	4.65	5.86 4.98	3.15 4.01	12
13	3.78 3.16	5.69 5.27	3.51 2.61	5.28 5.45	4.43 3.42	6.95	3.24 2.57	5.67	5.32 4.58	2.94 3.05	5.91 5.13	3.08 4.11	13
14	4.03 3.28	6.33 5.73	4.24 3.14	6.02 5.69	6.39 7.00	4.60 3.72	5.83 5.69	3.39 2.91	5.17 4.20	2.73 3.29	5.68 4.64	3.08 3.89	14
15	4.86 2.88	5.80 5.37	4.14 2.94	6.43	6.76 6.73	4.65 3.98	6.00 5.07	3.11 2.81	5.14 4.62	2.56 3.54	5.63 5.10	2.85 3.66	15
16	3.97 2.79	5.82	5.69 6.15	4.13 2.88	6.79 6.12	4.36 3.73	5.73 4.62	2.63 2.71	5.35 4.35	2.60 3.67	5.32 5.20	2.40 3.19	16
17	5.35 5.92	4.02 2.80	5.77 5.87	3.97 2.87	6.63 5.78	4.05 4.01	5.96 4.87	2.59 3.39	5.19 4.20	2.52 3.68	5.18 5.28	2.87	17
18	5.34 5.54	3.93 2.50	5.67 5.83	3.71 3.09	6.84 5.56	3.79 4.06	6.29 4.99	2.64 3.59	5.11 4.54	2.50 3.39	3.37 3.07	5.14 5.29	18
19	5.18 4.96	3.64 2.23	5.19 3.78	3.78 3.46	6.96 5.57	3.79 4.00	6.43 5.10	2.57 3.68	5.06 4.67	2.50	3.45 3.09	5.11 5.27	19
20	4.64 4.79	3.26 2.38	6.78 5.71	4.44 2.97	6.93 5.59	3.40 4.19	6.45 5.24	2.63	3.31 2.52	4.87 4.73	3.22 2.93	4.77 4.95	20
21	4.85 5.42	3.21 2.87	5.98 5.21	3.11 3.22	6.95 5.50	3.18 3.98	3.73 2.56	6.47 5.22	3.31 2.74	4.92 5.03	2.98 3.85	4.63 4.66	21
22	5.25 5.23	3.23 2.83	6.35 5.38	3.07 3.48	6.86 5.52	2.95	3.45 2.50	6.35 5.19	3.43 2.73	4.99 4.81	2.91 3.80	4.41 5.01	22
23	4.87 4.90	2.70	6.58 5.50	3.11	3.95 3.01	6.82 5.56	3.50 2.56	6.21 5.24	3.20 2.67	4.68 4.73	2.69 2.92	4.30 4.78	23
24	2.84 2.62	5.05 5.31	3.66 3.06	6.71 5.56	3.94 2.81	6.52 5.36	3.51 2.55	6.15 5.25	3.08 2.65	4.47 4.35	2.41 2.90	4.10 4.80	24
25	3.40 2.90	5.58 5.48	3.87 3.11	6.79 5.61	3.66 2.39	6.12 5.14	3.32 2.46	5.95 5.34	2.95 2.81	4.44 5.03	2.40 3.24	4.28 5.20	25
26	3.36 2.60	5.52 4.85	3.92 3.10	6.86 5.80	3.49 2.34	5.87 5.25	3.35 2.62	5.83 5.48	3.18 3.23	4.73 5.34	2.62 3.55	4.49 5.47	26
27	3.26 2.52	5.41 4.56	4.21 3.18	6.90 5.89	3.56 2.38	5.86 5.31	3.41 3.01	5.80 6.00	3.06 2.52	4.64 5.03	2.68 4.12	4.56 5.66	27
28	3.33 2.46	5.24 4.92	4.22 3.19	6.60 5.75	3.50 2.27	5.50	3.64 2.98	5.59 5.91	2.67 2.93	4.14 4.89	2.75 3.85	4.40	28
29	3.50 2.34	5.39	4.14 2.81	6.34	5.33 5.25	3.33 2.43	3.36 2.85	5.04	2.36 3.28	3.90	5.27 4.85	2.59 3.67	29
30	5.13 5.47	3.69 2.36	5.82 6.37	4.28 3.06	5.44 4.71	3.25 2.54	5.71 4.14	2.96 2.72	4.90 3.74	2.25 3.64	5.39 4.93	2.72 3.54	30
31			6.10 6.14	4.46 3.23			5.72 4.11	2.60 3.00	5.08 3.81	2.25 3.52			31
MAXIMUM	6.33		6.90		7.76		6.62		6.92		5.91		MAXIMUM
MINIMUM	2.23		2.09		2.27		2.37		2.16		2.36		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 14.6 - 12-29-55

ZERO OF GAGE: 1955
1964
1964 TO DATE -3.00 MCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

895340 OLD RIVER AT CLIFTON COURT FERRY
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.53	5.18	2.70	5.38	2.75	5.48	2.17	5.11	2.88	4.90	2.86	4.76	01
	2.73	5.23	3.80	6.27	4.04	5.74	3.20	5.25	2.98	4.85	2.91	4.66	
02	2.79	5.35	2.87	5.55	2.80	5.70	2.34	4.76	3.26	5.54	3.24	4.66	02
	3.24	6.08	4.01	6.11	4.17	6.04	3.08	4.88	3.11		2.67	3.73	
03	2.86	5.41	2.71	5.45	2.80	5.70	2.13	4.57	4.91	3.09	2.77	4.73	03
	3.26	5.23	3.89	5.93	4.01	6.05	2.61	4.19	5.45	2.74	2.95		
04	2.56	5.20	2.57	5.39	3.37	6.34	2.06	4.50	5.07	4.03	4.56	3.37	04
	3.33	5.56	3.88	6.37	4.45	6.08	2.56		6.02	2.82	5.27	2.56	
05	2.52	5.11	2.65	5.07	3.01	5.52	3.97	2.29	4.88	3.55	4.96	3.80	05
	3.51	5.65	3.88	5.82	3.66	5.56	4.51	2.29	5.53	2.45	5.47	2.60	
06	2.44	4.98	2.51	5.50	2.55	5.53	3.61	2.69	4.77	3.52	4.73	4.86	06
	3.40	5.58	3.66	5.72	3.17		5.26	2.66	5.52		5.31	2.56	
07	2.26	5.02	2.41	5.27	5.01	2.55	4.60	3.29	2.43	5.05	4.32	3.90	07
	3.87	5.96	3.52		5.31	2.91	5.46	2.42	3.73	5.79	5.76	3.35	
08	2.53	5.23	5.77	2.54	4.96	2.81	4.51	3.97	2.78	5.33	5.19	4.10	08
	3.51	6.06	5.26	3.04	4.90	2.55	6.00		3.84	5.69	5.52		
09	2.34	5.23	5.23	2.51	4.80	3.05	2.94	4.81	2.91	5.38	3.00	4.98	09
	3.70		5.10	2.76	5.42	2.57	3.55	5.64	4.04	6.03	3.74	5.28	
10	5.89	2.26	5.03	2.64	4.52	3.31	2.12	4.25	4.66	6.18	3.13	4.92	10
	4.96	2.29	5.37	2.55	5.80		3.32	5.47	4.19	5.93	3.74	5.88	
11	5.65	2.31	4.98	2.75	2.68	5.12	2.01	4.23	3.11	5.52	3.45	5.18	11
	5.26	2.92	5.89		3.56	5.87	3.24	5.26	3.62	5.60	3.70	5.86	
12	4.96	2.21	2.58	4.71	2.65	5.16	1.96	4.09	2.86	5.59	3.51	5.55	12
	5.17	2.68	3.04	5.74	3.68	6.49	2.90	4.51	3.55	5.69	3.46	5.22	
13	5.19	2.42	2.56	4.83	2.73	5.24	1.63	3.82	3.13	6.09	NR	NR	13
	5.40		3.38	6.40	3.56	5.36	2.79	4.89	3.94	5.83			
14	2.47	4.89	2.71	4.85	2.36	4.39	1.76	4.42	3.34	6.10	3.15	5.40	14
	2.56	5.56	3.59	6.62	3.44	5.69	2.91	4.79	3.99	5.49	2.92	5.53	
15	2.33	4.74	2.89	5.42	2.39	4.49	1.81	4.26	3.25	5.04	3.10	5.46	15
	2.63	5.57	3.82	6.09	3.45	5.85	2.91	4.83	3.37	5.02	2.90	5.66	
16	2.21	4.65	2.76	5.21	2.19	4.38	1.90	4.46	3.16	5.48	3.82	6.22	16
	2.80	5.77	3.86	6.97	3.44	5.79	2.87	4.58	3.54	4.43	3.15	5.47	
17	2.26	4.52	2.67	4.91	2.31	4.46	1.80	4.24	3.15	5.09	3.43	6.11	17
	3.05	5.47	3.82	5.39	3.71	5.19	2.57	4.24	2.96	4.32	2.66	5.25	
18	2.18	4.40	2.39	5.16	2.29	4.62	2.02	3.82	3.02	5.18	3.62	6.27	18
	3.26	6.05	4.01	5.68	3.54	4.84	2.35	3.63	2.57		2.75	5.16	
19	2.36	4.95	2.45	4.98	2.87	4.51	1.86	3.81	4.33	3.34	3.84	6.39	19
	3.30	5.34	3.74	5.16	3.30	4.54	2.01		5.32	2.56	2.87		
20	2.53	5.34	2.20	4.87	2.01	4.70	2.91	2.07	4.45	4.00	4.99	4.07	20
	3.90	6.10	3.81	4.53	2.97	3.90	4.38	2.03	5.61	2.35	5.69	2.49	
21	2.39	4.62	2.66	5.79	2.02	4.27	3.69	2.74	4.67	3.69	5.22	3.93	21
	3.79	5.38	4.53	5.43	2.95		4.98	1.92	5.55	2.16	5.61	3.19	
22	2.13	4.95	2.77	5.27	3.96	2.33	3.93	3.08	4.45	3.24	5.62	4.36	22
	3.93	5.72	3.15		4.66	2.50	5.17	1.84	4.96	1.98	6.10	2.93	
23	2.39	4.77	4.58	2.42	3.46	2.58	4.03	3.30	4.07	3.04	5.19	3.82	23
	3.59		4.68	2.68	4.88	2.26	5.39	1.95	4.74		5.40	2.74	
24	5.23	2.21	4.88	2.52	3.60	2.74	4.40	3.37	2.05	4.20	5.32	3.57	24
	4.81	3.21	4.62	2.64	5.03	2.10	5.51		2.96	5.28	6.02	3.10	
25	5.17	2.49	4.30	3.85	3.98	3.09	2.03	4.51	2.42	5.25	6.65	4.62	25
	5.08	3.15	5.51	2.58	5.20		3.35	5.31	3.15	5.51	6.83		
26	5.32	2.49	4.83	3.19	2.26	4.24	2.16	4.57	2.75	4.87	3.85	6.47	26
	5.07	3.12	5.88		3.53		3.46	5.37	2.99	5.32	3.97	6.08	
27	5.39	3.00	2.60	5.01	2.45	4.65	2.27	4.23	2.55	4.54	3.44	6.54	27
	5.31	3.00	3.46	5.72	3.84	6.25	3.44	5.54	2.64	4.77	3.74	5.86	
28	5.71	3.79	2.60	4.94	3.05	5.69	2.27	4.58	2.56	4.59	3.48	6.45	28
	6.32		3.64	5.70	4.20	5.96	2.82	5.16	2.63	4.74	3.04	5.37	
29	3.60	5.60	2.63	4.67	3.05	5.42	2.21	4.50			3.30	5.99	29
	3.45	5.92	3.65	6.05	3.80	5.67	2.78	5.04			2.94	5.32	
30	2.88	5.36	2.66	5.04	2.50	4.68	2.19	4.58			3.47	5.67	30
	3.48	5.54	3.89	6.18	3.54	6.01	2.84	4.93			2.84	4.99	
31	2.72	5.31			3.02	5.05	2.35	4.61			3.81	6.38	31
	3.53	5.77			3.19	5.10	2.48	5.01			3.45	5.76	
MAXIMUM	6.32		6.62		6.49		6.00		6.18		NR		MAXIMUM
MINIMUM	2.13		2.20		2.01		1.63		1.98		NR		MINIMUM

NR = NO RECORD

LOCATION: LAT. 37 49 28, LONG. 121 33 05, SE SEC. 20, T1S, R1E,
APPROXIMATELY 2,000 FEET BELOW JUNCTION WITH GRANT LINE
CANAL. MAXIMUM GAGE HEIGHT LISTED DOES NOT INDICATE
MAXIMUM DISCHARGE.

PERIOD OF RECORD: DEC 1948 TO DATE

TABLE A-12 (CONTINUED)

DAILY TIDES

 #95340 OLD RIVER AT CLIFTON COURT FERRY
 (APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	3.94 2.42	5.79	4.98 5.09	3.61 1.45	5.88 5.51	4.17 2.98	5.34 4.13	2.64 2.24	5.80 3.82	2.20 3.44	4.82 4.08	2.14 3.41	01
02	5.06 5.21	3.50 2.13	4.97 4.55	3.42 1.71	6.05 5.08	3.73 2.80	5.36 3.90	2.35 2.66	5.53 3.87	2.05 3.58	4.82 4.21	2.19 3.28	02
03	4.71 5.24	3.60 2.23	4.26 4.10	3.68 1.99	5.85 4.80	3.15 3.06	5.47 4.04	2.12 3.21	5.43 3.84	2.00 3.58	4.82 4.35	2.26 3.05	03
04	5.22 5.08	3.75 2.34	4.52 3.89	2.97 1.79	6.09 5.02	3.02 3.68	5.81 4.39	2.08 3.56	5.73 4.56	2.41 3.85	4.79 4.49	2.38 3.85	04
05	4.79 4.98	3.64 2.33	3.93 4.08	2.45 2.01	6.80 5.70	3.35 4.05	5.92 4.51	2.08 3.52	5.31 4.76	2.38 3.59	2.88 2.63	4.70 4.77	05
06	4.57 4.42	3.22 2.29	4.01 4.02	2.20 2.29	6.94 5.78	3.28 4.10	6.14 4.84	2.15 3.83	5.32 4.89	2.25 3.25	2.96 2.83	4.73 4.89	06
07	4.21 4.98	2.92 2.43	4.25 4.30	2.68 2.56	6.83 5.65	2.87 4.09	6.41 4.97	2.33 3.68	4.99 4.33	2.03 3.23	3.64 2.97	4.73 4.84	07
08	4.61 4.96	2.72 2.58	4.47 4.49	2.72 2.98	6.98 5.74	2.92 3.90	6.37 4.93	2.20 3.59	2.73 2.06	4.89 4.24	3.88 3.17	4.75 5.42	08
09	4.72 5.07	2.61	4.81 4.87	2.25 3.13	7.00 5.75	2.76	6.41 5.05	2.31 3.05	2.77 2.27	4.74 4.24	2.94 3.14	4.65 5.43	09
10	2.90 2.60	4.92 5.12	4.81 4.39	2.13	4.13 2.87	7.10 6.07	3.45 2.27	6.25 5.06	2.82 2.36	4.41 4.60	3.03 3.54	4.74	10
11	3.05 2.60	5.24 5.44	3.11 1.95	4.67 3.62	4.29 3.25	7.42 6.36	3.37 2.19	5.94 5.1	2.92 2.77	4.52 5.07	5.67 4.69	2.95 3.83	11
12	3.37 2.53	5.17 5.88	3.67 1.84	4.68 4.49	4.28 2.86	7.22 5.98	3.03 2.13	5.71 5.27	3.00 2.90	4.47	5.65 4.86	2.93 4.01	12
13	3.36 2.50	5.49 5.02	3.38 2.18	5.16 5.20	3.91 2.62	6.66 6.12	3.03 2.32	5.52 5.72	5.12 4.38	2.80 2.99	5.73 4.84	2.85 4.06	13
14	3.66 2.71	6.10 5.51	4.20 2.66	5.81 5.42	4.24 3.04	6.75 6.44	3.26 2.58	5.51 5.88	5.06 4.10	2.59 3.34	5.46 4.40	2.73 3.92	14
15	3.76 2.29	5.72 5.16	3.93 2.40	6.13 5.39	4.20 3.10	6.43	2.86 2.39	4.89	4.95 4.42	2.44 3.70	5.30 4.89	2.61 3.57	15
16	3.73 2.24	5.73 5.14	3.92 2.36	5.94	4.45 3.69	6.43	5.59 4.45	2.43 2.55	5.14 4.26	2.44 3.71	5.13 5.02	2.60 3.28	16
17	3.85 2.25	5.76	5.51 5.05	3.75 2.16	6.32 5.39	3.26 3.12	5.78 4.64	2.35 3.24	4.97 3.97	2.33 3.64	5.80 5.06	2.67 3.27	17
18	5.18 5.37	3.80 1.49	5.41 5.57	3.47 2.59	6.53 5.22	2.98 3.22	6.11 4.76	2.31 3.47	4.87 4.39	2.26 3.36	4.96 5.10	2.77	18
19	4.98 4.84	3.44 1.78	5.89 5.41	4.01 3.43	6.63 5.20	2.82 3.25	6.28 4.84	2.31 3.56	4.87 4.47	2.27 3.22	3.15 2.77	5.00 5.18	19
20	4.53 4.72	3.01 1.95	6.39 5.37	4.06 2.43	6.55 5.26	2.50 3.62	6.27 5.02	2.30 3.62	4.72 4.52	2.27	2.90 2.61	4.62 4.68	20
21	4.73 5.22	2.94 2.39	5.62 4.92	2.66 2.82	6.67 5.21	2.46 3.61	6.30 5.04	2.31 3.31	3.16 2.48	4.78 4.79	2.66 2.78	4.39 4.41	21
22	5.05 4.95	2.82 2.43	6.01 5.07	2.56	6.56 5.25	2.39 3.66	6.21 5.03	2.27	3.35 2.52	4.80 4.68	2.56 2.74	4.37 4.77	22
23	4.87 4.84	2.32 2.45	6.34 2.62	6.14 5.20	6.51 5.24	2.24	3.42 2.32	6.08 5.08	3.06 2.48	4.47 4.55	2.33 2.56	4.68 4.95	23
24	5.01 5.12	2.17	6.37 5.27	2.52	3.71 2.32	6.31 5.13	3.45 2.35	6.04 5.10	2.91 2.49	4.24 4.11	2.63 2.88	3.98 4.56	24
25	3.13 2.47	5.50 5.26	3.63 2.59	6.43 5.33	3.38 1.84	5.88 4.91	3.22 2.26	5.82 5.20	2.85 2.75	4.29 4.81	2.66 3.12	4.16 4.96	25
26	3.05 2.10	5.30 4.74	3.68 2.59	6.51 5.49	3.31 1.88	5.68 5.04	3.26 2.46	5.72 5.35	3.10 3.23	4.54 5.09	2.34 3.53	4.29 5.25	26
27	2.98 2.06	5.51 4.62	4.00 2.68	6.54 5.50	3.40 1.94	5.68 5.10	3.31 2.83	5.63 5.81	2.97 2.99	4.38 4.82	2.49 4.83	4.36 5.44	27
28	3.10 1.97	5.13 4.69	4.00 2.70	6.26 5.45	3.30 1.88	5.30 5.12	3.57 2.84	5.45 5.74	2.58 3.05	3.98 4.69	2.47 3.76	4.46 5.07	28
29	3.34 1.90	5.24 4.93	3.98 2.59	6.02	3.07 2.03	5.06	3.24 2.67	4.86 5.57	2.27 3.37	3.78	NR	NR	29
30	3.56 1.93	5.28	5.53 6.07	4.13 2.58	5.23 4.45	3.03 2.06	2.84 2.67	4.11	NR	NR	NR	NR	30
31			5.83 5.85	4.36 2.77			5.59 3.95	2.45 3.03	4.89 3.60	2.08 3.48			31
MAXIMUM	6.10		6.54		7.42		6.41		NR		NR		MAXIMUM
MINIMUM	1.78		1.71		1.88		2.03		NR		NR		MINIMUM

NR - NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 9.7 - 12-26-55

 ZERO OF GAGE: 1948 TO 1952 -2.25 USGS
 1952 -2.12 USGS
 1964 -2.56 USGS
 1964 TO DATE -3.00 USGS

TABLE R-12 (CONTINUED)

DAILY TIDES

 096278 ITALIAN SLOUGH NEAR MOUTH
 (OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	-0.40 -0.17	2.32 2.39	-0.38 0.78	2.36 3.37	-0.29 1.05	2.48 3.13	NR	NR	NR	NR	NR	NR	01
02	-0.13 0.32	2.49 3.22	-0.22 1.01	2.51 3.24	-0.25 1.19	2.69 3.27	NR	NR	NR	NR	NR	NR	02
03	-0.09 0.37	2.54 2.61	-0.34 0.89	2.41 3.04	-0.21 1.11	2.78 3.12	-0.70 -0.42	1.81 1.35	NR	NR	NR	NR	03
04	-0.35 -0.43	2.34 2.87	-0.48 0.87	2.36 1.35	0.35 1.43	3.34 3.20	-0.70 -0.49	1.87	NR	NR	NR	NR	04
05	-0.39 0.80	2.24 2.85	-0.45 0.85	2.17 2.88	-0.03 0.55	2.67 2.55	1.13 1.80	-0.76 -0.69	NR	NR	NR	NR	05
06	-0.52 0.68	2.11 2.87	-0.55 0.85	2.47 2.70	-0.50 0.15	2.47 1.99	0.84 2.55	-0.30 -0.38	NR	NR	2.09 2.74	1.02 -0.61	06
07	-0.69 0.98	2.15 3.17	-0.63 0.62	2.34 2.74	-0.48 -0.13	2.53	1.84 2.75	0.33 -0.58	NR	NR	1.73 3.07	0.92 0.28	07
08	-0.42 1.01	2.36 3.19	-0.50 0.02	2.33	1.93 2.13	-0.23 -0.48	1.75 3.30	0.97 -0.08	NR	NR	2.50 2.99	0.98 -0.19	08
09	-0.63 0.79	2.37	2.21 2.26	-0.52 -0.27	1.77 2.64	0.04 -0.47	2.02 2.87	0.56	NR	NR	2.39 2.64	0.59 -0.22	09
10	3.04 2.19	-0.65 0.37	2.02 2.32	-0.38 -0.44	1.77 2.94	0.30 -0.38	NR	NR	NR	NR	2.31 3.15	0.56	10
11	2.02 2.41	-0.60 0.80	1.96 2.89	-0.26	2.09 3.02	0.54	NR	NR	NR	NR	-0.04 0.51	2.57 3.12	11
12	2.26 2.35	-0.73 -0.35	-0.51 0.60	1.76 3.03	-0.42 0.66	2.13 3.51	NR	NR	NR	NR	0.05 0.25	2.82 2.44	12
13	2.37 2.57	-0.50 -0.47	-0.53 0.33	1.76 3.41	-0.34 0.05	2.20 2.68	NR	NR	NR	NR	-0.03 0.34	2.48 3.03	13
14	2.30 2.74	-0.47	-0.34 0.54	1.93 3.63	-0.07 0.44	1.56 2.92	NR	NR	NR	NR	0.22 -0.01	2.49 2.48	14
15	-0.55 -0.29	1.98 2.75	-0.15 0.81	2.54 3.28	-0.67 0.46	1.66 2.32	NR	NR	NR	NR	0.16 -0.07	2.59 2.65	15
16	-0.69 -0.11	1.87 2.45	-0.31 0.88	2.34 1.10	-0.69 0.43	1.47 2.77	NR	NR	NR	NR	0.87 0.19	3.25 2.45	16
17	-0.68 -0.10	1.70 2.68	-0.40 0.81	2.04 2.62	-0.69 0.71	1.62 2.34	NR	NR	NR	NR	0.48 -0.30	3.10 2.24	17
18	-0.69 0.34	2.44 3.18	-0.65 1.02	2.03 2.75	-0.69 0.84	1.79 1.96	NR	NR	NR	NR	0.68 -0.22	3.28 2.14	18
19	-0.57 0.74	2.22 3.02	-0.63 0.75	2.19 2.19	-0.69 0.30	1.67 1.58	NR	NR	NR	NR	0.90 -0.07	3.38 2.13	19
20	-0.39 0.99	2.45 3.22	-0.69 0.83	1.96 2.41	-0.70 -0.03	1.70 1.02	NR	NR	NR	NR	1.14 -0.51	2.83	20
21	-0.60 0.85	1.77 2.47	-0.33 1.55	2.86 2.62	-0.70 -0.05	1.57 1.14	NR	NR	NR	NR	2.20 2.82	1.00 0.25	21
22	-0.69 1.01	2.15 2.78	-0.24 0.17	2.38	-0.68 -0.53	1.89	NR	NR	NR	NR	2.87 3.30	1.44 -0.01	22
23	-0.54 0.64	1.97	1.57 1.90	-0.50 -0.34	0.62 1.99	-0.43 -0.70	NR	NR	NR	NR	2.44 2.74	0.86 -0.21	23
24	2.26 1.98	-0.69 0.27	1.18 1.86	-0.51 -0.36	0.78 2.12	-0.27 -0.70	NR	NR	NR	NR	2.31 3.19	0.62 0.13	24
25	2.21 2.14	-0.45 0.21	1.49 2.80	0.06 -0.43	1.20 2.47	0.09 -0.70	NR	NR	NR	NR	1.65 3.88	1.67	25
26	2.36 2.31	-0.10 0.15	1.41 2.72	0.20 -0.42	1.41 2.44	0.54 -0.50	NR	NR	NR	NR	0.84 0.45	3.47 3.21	26
27	2.41 2.53	0.03 0.04	1.98 2.91	0.47	1.94 3.52	0.90	NR	NR	NR	NR	0.45 0.69	3.57 3.04	27
28	2.76 3.69	0.79	-0.44 0.69	2.02 2.97	0.03 1.16	2.69 3.18	NR	NR	NR	NR	0.48 0.08	3.48 2.74	28
29	0.81 0.45	2.42 1.26	-0.40 0.66	1.82 1.20	NR	NR	NR	NR	NR	NR	0.35 -0.03	3.26 2.67	29
30	-0.15 0.47	2.39 2.76	-0.38 0.90	2.29 1.34	NR	NR	NR	NR	NR	NR	0.49 -0.14	3.07 2.29	30
31	-0.32 0.54	2.30 2.95			NR	NR	NR	NR	NR	NR	0.88 0.45	3.64 2.76	31
MAXIMUM		3.69		3.83		NR		NR		NR		NR	MAXIMUM
MINIMUM		-0.73		-0.69		NR		NR		NR		NR	MINIMUM

NR = NO RECORD

 LOCATION: LAT. 37 51 38, LONG. 121 34 48, NH SEC. 7, T1S, R4E,
 ON CLIFTON COURT ISLAND, 6.1 MILES SOUTHEAST OF BYRON, *

PERIOD OF RECORD: MAY 1968 TO DATE

TABLE 8-12 (CONTINUED)
DAILY TIDES
899278 ITALIAN SLOUGH NEAR MOUTH
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE	
01	0.96 -0.58	2.90 2.10	NR	NR	3.07 2.59	1.18 -0.01	2.57 1.26	-0.25 -0.63	-0.66 0.57	1.13	2.47 1.50	-0.70 0.43	01	
02	0.57 -0.71	2.39	NR	NR	3.14 2.17	0.72 -0.22	2.62 1.04	-0.55 -0.26	2.88 1.25	-0.67 0.73	2.47 1.61	-0.70 0.27	02	
03	1.88 2.29	0.69 -0.68	1.72 1.38	0.18 -0.71	3.00 1.84	0.15 0.06	2.71 1.17	-0.72 0.31	2.90 1.35	-0.70 0.77	NR	NR	03	
04	2.29 2.16	0.86 -0.59	2.00 1.14	0.08 -0.71	3.22 2.07	0.01 0.08	3.03 1.54	-0.72 0.67	3.22 1.95	-0.55 0.87	2.46 1.94	-0.64 -0.03	04	
05	2.17 2.03	0.75 -0.58	1.48 1.12	-0.48 -0.71	3.96 2.72	0.41 1.12	3.18 1.69	-0.73 0.64	3.02 2.04	-0.56 0.67	2.46 2.24	-0.38	05	
06	2.00 1.83	0.31 -0.61	1.55 1.22	-0.71 -0.64	3.95 2.79	0.32 1.18	3.42 1.98	-0.71 0.93	2.94 2.17	-0.67 0.33	-0.02 -0.12	2.45 2.40	06	
07	1.75 2.63	0.03 -0.47	1.80 1.46	-0.71 -0.34	3.92 2.68	0.08 1.17	3.61 2.12	-0.61 0.78	2.58 1.58	-0.71	0.08 0.01	2.39 2.54	07	
08	2.09 2.11	-0.19 -0.32	2.02 1.77	-0.73 0.65	4.09 2.77	0.06 1.07	3.57 2.10	-0.70 0.64	-0.23 -0.90	2.43 1.75	0.09 0.17	2.32 2.95	08	
09	2.13 2.19	-0.30 -0.04	2.34 2.03	-0.69 0.20	4.04 2.76	-0.22	3.63 2.23	-0.63	-0.22 -0.71	2.35 1.87	-0.04 0.17	2.11 2.96	09	
10	2.29 2.19	-0.37	2.40 1.66	-0.73 0.18	4.15 -0.08	0.53 3.09	3.47 -0.66	2.26	-0.16 -0.57	2.14 2.24	0.05 0.53	2.15 3.09	10	
11	0.09 -0.36	2.42 2.50	2.29 1.15	-0.74 0.10	4.53 0.32	4.47 3.31	0.43 -0.70	3.24 2.31	0.02 -0.14	2.09 2.66	-0.07 0.87	2.07 3.14	11	
12	0.44 -0.43	2.57 2.11	2.15 1.83	-0.72	4.41 -0.11	4.26 2.99	0.08 -0.71	2.93 2.50	0.10 0.00	1.96 0.33	-0.06 1.03	2.14	12	
13	0.43 -0.46	2.79 2.10	0.46 -0.73	2.55 2.49	1.02 -0.33	3.72 3.18	0.13 -0.60	2.73 2.94	-0.12 0.09	1.67 2.64	3.17 2.12	-0.13 1.08	13	
14	0.71 -0.26	3.21 2.55	1.29 -0.33	3.15 2.56	1.36 0.08	3.81 3.56	0.34 -0.34	2.71 3.13	-0.33 0.42	1.56 1.92	2.96 1.92	-0.27 0.82	14	
15	0.86 -0.67	2.88 2.21	0.99 -0.65	3.41 2.50	1.27 0.14	3.47 3.54	-0.02 -0.51	2.07	2.67 1.82	-0.48 0.76	2.76 2.16	-0.38 0.55	15	
16	0.83 -0.69	2.87 2.20	0.95 -0.68	3.09 2.63	-0.71	2.79	2.88 1.62	-0.49 -0.33	2.84 1.63	-0.50 0.74	2.61 2.23	-0.41 0.28	16	
17	0.91 -0.71	2.79	0.62 -0.73	2.75	3.38 2.43	0.29 0.18	2.96 1.81	-0.60 0.30	2.67 1.64	-0.65 0.70	2.47 2.32	-0.31 0.24	17	
18	2.23 2.40	0.86 -0.71	2.52 2.05	0.52 -0.43	3.62 2.24	0.00 0.24	3.37 1.94	-0.58 0.58	2.58 1.76	-0.68 0.35	2.44 2.42	-0.08 0.28	18	
19	2.06 1.98	0.52 -0.71	3.08 2.55	0.45 -0.05	3.71 2.21	-0.18 0.28	3.48 2.07	-0.62 0.64	2.49 1.78	-0.68 0.23	2.36 2.34	-0.08	19	
20	1.74 1.88	0.09 -0.70	3.55 2.40	0.98 -0.62	3.67 2.31	-0.48 0.70	3.47 2.14	-0.63 0.70	2.30 1.93	-0.69 0.26	0.03 -0.24	2.06 2.09	20	
21	1.95 2.23	0.00 -0.59	2.79 2.01	-0.37 -0.70	3.77 2.28	-0.47 0.71	3.50 2.21	-0.62 0.58	2.35 2.09	-0.51	-0.19 -0.07	1.96 2.03	21	
22	2.31 2.32	-0.10 -0.50	3.16 2.18	-0.49 0.12	3.78 2.33	-0.57 0.72	3.43 2.23	-0.66 0.5	0.36 -0.44	2.37 2.05	-0.30 -0.11	1.68 2.17	22	
23	2.23 2.06	-0.61 -0.45	3.40 2.31	-0.41 0.34	3.63 2.38	-0.70	3.32 2.29	-0.59	0.10 -0.46	2.11 1.94	-0.53 -0.29	1.58 2.00	23	
24	2.32 2.23	-0.69 0.22	3.53 2.37	-0.52 0.63	3.84 2.63	-0.63	3.44 2.26	-0.53 -0.58	3.26 2.31	-0.05 -0.48	1.89 1.78	-0.68 -0.16	1.29 2.04	24
25	2.88 2.43	-0.47	3.70 2.43	-0.50	0.49 -0.72	2.99 2.04	0.35 -0.64	3.03 2.34	-0.15 -0.25	1.75 2.27	-0.69 0.76	1.38 2.37	25	
26	0.15 -0.72	2.74 1.88	0.68 -0.50	3.69 2.61	0.41 -0.73	2.81 2.17	0.37 -0.47	2.92 2.61	0.10 0.16	1.91 2.58	-0.54 0.64	1.62 2.63	26	
27	0.67 -0.71	2.84 1.73	0.96 -0.43	3.79 2.62	0.50 -0.72	2.80 2.25	0.44 -0.08	2.85 3.01	-0.02 -0.08	1.62 2.35	-0.38 1.15	1.70 2.77	27	
28	0.19 -0.72	2.42 2.00	0.98 -0.42	3.43 2.67	0.40 -0.73	2.42 2.31	0.62 -0.09	2.63 2.95	-0.43 -0.03	1.20 2.22	-0.41 0.92	1.75 2.50	28	
29	NR	NR	0.94 -0.72	3.19 2.64	-0.17 -0.73	2.17 2.39	0.29 -0.30	2.83 2.81	-0.68 0.39	1.04 2.24	-0.57 0.68	1.91	29	
30	NR	NR	1.11 -0.53	3.19 2.94	-0.09 -0.72	1.56	-0.05 -0.24	1.43 2.81	-0.69 0.65	0.94	2.58 2.03	-0.43 0.50	30	
31			1.34 -0.31	2.96			-0.45 0.12	1.22 2.93	2.46 1.18	-0.70 0.64			31	
MAXIMUM	NR		NR		4.47		3.63		3.22		NR		MAXIMUM	
MINIMUM	NR		NR		-0.73		-0.73		-0.98		NR		MINIMUM	

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 6.34 - 2-15-69

ZERO OF GAGE: 1968 TO DATE 11.00 USGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

B95300 GRANT LINE CANAL AT TRACY ROAD BRIDGE
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.76 2.96	5.36 5.45	3.01 4.06	5.60 6.47	3.15 4.21	5.66 5.92	NR	NR	NR	NR	3.12 3.05	4.94 4.80	01
02	3.02 3.46	5.54 6.28	3.27 4.25	5.77 6.29	3.19 4.34	5.88 6.16	NR	NR	NR	NR	3.18 2.77	4.85 4.80	02
03	3.10 3.46	5.58 5.40	3.16 4.14	5.65 6.08	3.18 4.10	5.78 6.28	2.46 2.83	4.73 4.32	NR	NR	3.08 4.92	2.95 2.53	03
04	2.82 3.49	5.37 5.70	3.05 4.14	5.61 6.58	3.72 4.66	6.58 6.26	2.37 2.86	4.70	NR	NR	4.82 5.42	3.47 2.76	04
05	2.80 3.65	5.29 5.76	3.10 4.10	5.16 5.92	3.43 3.92	5.65 5.76	4.07 4.66	2.80 2.64	5.08 5.72	3.72 2.86	5.19 5.63	3.87 2.85	05
06	2.67 3.74	5.16 5.70	2.99 3.92	5.71 5.91	2.98 3.51	5.68 5.61	3.70 5.43	2.90 2.97	4.98 5.79	3.74	4.88 5.44	4.11 2.72	06
07	2.58 3.97	5.19 6.12	2.84 3.86	5.46	5.22 5.45	2.97 3.28	4.64 5.61	3.41 2.75	4.94 4.02	5.30 6.01	4.38 5.94	3.91 3.46	07
08	2.75 4.04	5.41	5.97 5.39	2.93 3.34	5.16 4.98	3.18 2.99	4.62 6.26	4.68	3.20 4.15	5.56 5.87	5.26 5.80	4.13	08
09	6.25 5.42	2.58 3.03	5.41 5.28	2.86 3.08	5.00 5.01	3.38	3.31 3.79	4.93 5.79	3.38 4.36	5.56 6.27	3.25 3.88	5.27 5.44	09
10	6.06 5.11	2.53 3.46	5.21 5.49	2.97	3.02 3.58	4.66 5.98	2.56 3.49	4.35 5.64	3.73 4.36	6.46 6.16	3.19 3.80	5.09 6.28	10
11	5.82 5.44	2.57 3.10	2.93 3.05	5.16 6.09	3.13 3.82	5.31 6.05	2.49 3.42	4.36 5.47	3.53 3.96	5.85 5.79	3.40 3.81	5.41 6.26	11
12	5.08 5.34	2.43 2.78	2.93 3.27	4.89 6.02	3.10 3.93	5.35 6.70	2.46 3.17	4.27 4.74	3.40 3.93	5.87 5.96	3.47 3.62	5.95 5.33	12
13	5.36 5.58	2.65	2.90 3.57	5.02 6.60	3.20 3.78	5.44 5.46	2.13 3.02	4.08 5.13	3.62 4.26	6.32 6.18	2.41 3.75	5.46 6.14	13
14	2.71 2.75	5.06 5.74	3.10 3.79	5.00 6.83	2.86 3.88	4.56 5.89	2.19 3.08	4.41 4.92	4.84 4.38	6.41 5.85	3.64 3.41	5.54 5.71	14
15	2.84 2.83	4.86 5.75	3.38 4.01	5.50 6.29	2.88 3.88	4.61 5.20	2.19 3.13	4.41 4.94	3.79 3.87	5.30 5.32	3.57 3.45	5.60 5.85	15
16	2.48 2.99	4.73 5.95	3.12 4.04	5.42 6.14	2.70 3.20	3.71 5.37	2.33 3.13	4.66 4.68	3.72 4.04	5.90 4.95	4.20 3.71	6.39 5.65	16
17	2.50 3.15	4.59 5.70	3.04 3.96	5.00 5.53	2.60 3.64	4.34 5.86	2.25 2.87	4.49 4.43	3.70 3.50	5.31 4.74	3.85 3.26	6.29 5.41	17
18	2.47 3.40	4.66 6.25	2.79 4.17	5.32 5.83	2.79 3.83	4.74 6.42	2.14 2.66	3.96 3.74	3.52 3.16	5.50	3.99 3.34	6.43 5.35	18
19	2.62 3.81	5.14 6.05	2.81 3.89	5.21 5.29	NR	NR	2.24 2.38	3.96	4.54 5.70	3.72 3.12	4.17 3.43	6.56	19
20	2.79 4.01	5.53 6.29	2.86 3.96	5.08 5.69	NR	NR	3.02 4.63	2.34 2.37	4.81 5.90	4.00 3.09	5.15 5.84	4.34 3.07	20
21	2.59 3.84	4.69 5.47	2.98 4.67	5.90 5.59	NR	NR	3.84 5.11	2.89 2.20	4.94 5.90	4.05 2.84	5.38 5.76	4.24 3.64	21
22	2.35 4.01	5.10	3.07 3.46	5.43	NR	NR	4.09 5.34	3.20 2.27	2.82 3.61	4.76 5.14	5.88 6.22	4.65 3.52	22
23	5.86 4.88	2.62 3.68	4.75 4.81	2.71 2.93	NR	NR	4.27 5.56	3.45	2.60 3.38	4.29 4.89	5.32 5.55	4.22 3.46	23
24	5.39 4.93	2.49 3.38	4.21 4.76	2.74 2.95	NR	NR	2.41 3.54	4.60 5.68	2.66 3.30	4.39 5.44	5.47 6.15	4.03	24
25	5.34 5.30	2.76 3.37	4.42 5.68	3.20	NR	NR	2.51 3.56	4.83 5.51	2.92 3.46	5.52 6.65	3.67 4.98	6.92 7.08	25
26	5.53 5.25	3.15 3.36	2.94 3.42	4.99 5.75	NR	NR	2.67 3.66	4.77 5.56	3.16 3.34	5.08 5.51	4.40 4.51	6.71 6.24	26
27	5.58 5.47	3.26	2.96 3.67	5.18 5.87	NR	NR	2.67 3.60	4.43 5.78	3.03 3.04	4.70 4.94	3.94 4.25	6.78 6.03	27
28	3.26 4.00	5.93 6.60	3.01 3.89	5.13 5.88	NR	NR	2.64 2.99	4.90 5.34	2.92 2.98	4.78 4.85	3.98 3.65	6.68 5.56	28
29	3.84 3.69	5.90 6.19	3.03 3.84	4.78 6.23	NR	NR	2.56 3.37	4.63			3.80 3.52	6.09 5.45	29
30	3.15 3.72	5.56 5.74	3.07 4.05	5.23 6.36	NR	NR	5.09 5.60	3.33 3.02			3.87 3.41	5.83 5.16	30
31	3.06 3.74	5.51 5.95			NR	NR		NR	NR		4.19 3.98	6.55 5.98	31
MAXIMUM	6.60		6.83		NR		NR		NR		7.08		MAXIMUM
MINIMUM	2.35		2.60		NR		NR		NR		2.53		MINIMUM

NR - NO RECORD

LOCATION: LAT. 37 49 13, LONG. 121 26 55, NE SEC. 29, T15, R5E,
AT TRACY ROAD BRIDGE CROSSING, 5 MILES NORTH OF TRACY.
STATION WAS DISCONTINUED OCTOBER 4, 1966, AND REACTIVATED *
MARCH 1, 1968.PERIOD OF RECORD: OCT 1940 TO SEPT 1966
MAR 1968 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIDES

R95300 GRANT LINE CANAL AT TRACY ROAD BRIDGE
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.32 3.05	6.00	5.12 5.27	3.73 2.34	6.11 5.73	4.30 3.33	5.46 4.27	2.90 2.53	5.72 3.93	2.37 3.42	5.01 4.20	2.34 3.40	01
02	5.22 5.36	3.84 2.75	5.11 4.76	3.37 2.07	6.27 5.33	4.03 3.27	5.50 4.06	2.61 2.82	5.66 3.98	2.23 2.53	4.99 4.35	2.33 3.27	02
03	4.83 5.36	3.66 2.72	4.36 4.25	3.17 2.33	6.10 5.03	3.52 3.41	5.59 4.21	2.41 3.32	5.56 4.00	2.22 3.56	5.01 4.49	2.42 3.11	03
04	5.36 5.27	3.97 2.76	4.63 3.91	3.13 2.13	6.33 5.26	3.46 4.00	5.93 4.52	2.35 3.61	5.86 4.70	2.53 3.85	4.95 4.64	2.51 3.85	04
05	4.82 5.15	3.85 2.74	4.08 4.20	2.74 2.38	7.08 5.94	3.87 4.43	6.06 4.65	2.33 3.60	5.45 4.94	2.54 3.65	3.05 2.73	4.96 4.96	05
06	4.65 4.53	3.47 2.71	4.13 4.15	2.53 2.64	7.13 6.01	3.79 4.44	6.32 5.00	2.44 3.95	5.39 5.02	2.54 3.10	4.87 2.98	4.87 5.08	06
07	4.33 5.14	3.25 2.86	4.38 4.48	2.48 2.91	7.07 5.87	3.45 4.46	6.56 5.13	2.59 2.20	3.32 4.50	5.82 3.14	3.20 4.91	4.91 5.06	07
08	4.68 5.06	3.09	4.61 4.67	2.53 3.28	7.22 5.94	3.53	3.77 2.47	6.49 5.07	2.80 2.17	5.05 4.39	3.22 3.29	4.94 5.63	08
09	3.60 3.05	4.82 5.15	4.96 5.05	2.64	4.35 3.42	7.22 5.95	3.70 2.60	6.53 5.20	2.80 2.35	4.91 4.45	3.10 3.25	4.63 5.65	09
10	3.33 3.11	5.04 5.26	3.39 2.59	4.98 4.48	4.53 3.55	7.33 6.29	3.56 2.54	6.37 5.19	2.66 2.50	4.58 4.79	3.18 3.56	4.92 5.74	10
11	3.47 3.12	5.37 5.05	3.34 2.40	4.84 3.75	4.73 3.91	7.65 6.49	3.48 2.45	6.08 5.22	2.99 2.89	4.61 5.22	3.07 3.85	4.84 5.86	11
12	3.72 3.02	5.30 5.20	3.13 2.26	4.92 4.68	4.71 3.51	7.42 6.16	3.24 2.44	5.82 5.39	3.12 3.02	4.80 5.07	5.83 4.03	3.10 4.03	12
13	3.71 3.63	5.64 5.25	3.51 2.55	5.36 5.39	4.30 3.21	6.87 6.32	3.22 2.57	5.62 5.75	5.28 4.59	2.95 3.08	5.89 5.04	4.05 4.10	13
14	4.00 3.17	6.26 5.68	4.25 3.64	6.03 5.63	4.50 3.55	6.93	3.39 2.89	5.64	5.14 4.08	2.73 3.33	5.63 4.59	2.95 3.88	14
15	4.01 2.77	5.84 5.31	4.11 2.85	6.41	6.66 6.64	4.53 3.67	5.92 5.01	3.09 2.60	5.11 4.58	2.57 3.68	5.53 5.06	2.60 3.63	15
16	3.94 2.70	5.84	5.61 6.16	4.10 2.77	6.68 6.00	4.15 3.48	5.73 4.57	2.63 2.72	5.30 4.50	2.59 3.70	5.29 5.16	2.76 3.37	16
17	5.29 5.93	4.00 2.72	5.71 5.83	3.93 2.58	6.57 5.69	3.82 3.79	5.88 4.79	2.57 3.40	5.14 4.15	2.50 3.56	5.13 5.23	2.83	17
18	5.31 5.55	3.93 2.42	5.61 5.79	3.67 3.00	6.75 5.46	3.56 3.83	6.24 4.91	2.62 3.60	5.06 4.59	2.46 3.39	3.34 3.05	5.08 5.26	18
19	5.13 4.96	3.62 2.19	6.13 5.70	3.72 3.39	6.89 5.47	3.50 3.79	6.37 5.05	2.55 3.70	5.00 4.73	2.46 3.41	5.05 3.66	5.05 5.38	19
20	4.62 4.75	3.23 2.34	6.70 5.61	4.31 2.85	6.82 5.50	3.15 4.05	6.38 5.16	2.56 3.69	3.31 2.48	4.89 4.76	3.18 2.89	4.79 4.89	20
21	4.85 5.37	3.18 2.80	5.89 5.15	3.03 3.12	6.84 5.43	3.00 3.91	6.40 5.16	2.56	3.30 2.65	4.76 5.08	2.95 3.03	4.57 4.60	21
22	5.24 5.13	3.19 2.79	6.27 5.32	2.95 3.40	6.77 5.45	2.84	6.43 2.50	6.30 5.13	3.43 2.71	4.95 4.88	2.86 2.99	4.36 4.97	22
23	4.84 4.95	2.66 2.60	6.50 5.43	3.00 3.59	6.73 5.46	6.73 5.46	3.52 2.56	6.14 5.18	3.19 2.68	4.93 4.82	2.65 2.80	4.25 4.74	23
24	5.15 5.30	2.58	6.64 5.49	2.95	6.91 2.73	6.46 5.30	3.54 2.55	6.09 5.20	3.07 2.65	4.41 4.30	2.37 2.90	4.13 4.76	24
25	3.39 2.84	5.63 5.42	3.82 2.96	6.78 5.55	3.53 2.31	6.82 5.08	3.35 2.47	5.89 5.29	2.94 2.82	4.40 4.98	2.38 3.27	4.24 5.15	25
26	3.33 2.54	5.47 4.86	3.87 2.98	6.80 5.73	3.49 2.27	5.80 5.18	3.37 2.62	5.86 5.43	3.15 3.23	4.77 5.29	2.61 3.59	4.45 5.43	26
27	3.22 2.48	5.64 4.51	4.16 3.05	6.84 5.74	3.55 2.31	5.82 5.24	3.44 3.01	5.73 5.91	3.06 2.94	4.80 5.08	2.68 4.54	4.54 5.61	27
28	3.32 2.39	5.32 4.85	4.16 3.06	6.53 5.69	3.49 2.22	5.45	3.66 3.00	5.55 5.85	2.66 2.95	4.18 4.85	2.73 3.87	4.64	28
29	3.59 2.31	5.35 5.07	4.10 2.67	6.29	5.27 5.19	3.32 2.37	3.36 2.85	4.97	2.34 3.32	3.90	5.23 4.82	2.58 3.69	29
30	3.70 2.31	5.44	5.77 6.31	4.25 2.94	5.38 4.66	3.22 2.45	5.66 4.17	2.96 2.75	4.86 3.70	3.23 3.64	5.35 4.89	2.71 3.55	30
31			6.05 6.09	4.42 3.11			5.68 4.10	2.59 3.04	5.04 3.77	2.25 3.53			31
MAXIMUM	6.26		6.84		7.65		6.56		5.86		5.89		MAXIMUM
MINIMUM	2.19		2.07		2.22		2.33		2.17		2.33		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 14.7 - 12-11-50

ZERO OF GAGE: 1940 TO 1952 -3.66 USGS
1952 TO 1953 -4.13 USGS
1953 TO 1960 -2.13 USGS
1960 -3.00 USGS
1964 -3.56 USGS
1964 TO DATE -3.00 USGS

TABLE B-12 (CONTINUED)

DAILY TIDES

895270 OLD RIVER NEAR BYRON
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.26 2.49	-0.15	-0.45 0.71	2.22 3.31	-0.37 1.00	2.34 3.26	1.00 2.02	2.02 2.39	-0.06 -0.01	2.60 2.18	-0.15 -0.27	2.58 2.15	01
02	-0.11 0.34	2.41 3.15	-0.29 0.95	2.37 3.22	-0.31 1.13	2.56 3.27	1.97 2.02	0.29 1.97	3.11 1.97	-0.05 -0.58	2.51 1.41	02	
03	-0.08 0.37	2.48 2.72	-0.42 0.82	2.27 3.03	-0.27 1.08	2.66 3.09	1.86 1.38	0.10 -0.26	2.92 2.97	-0.17 -0.85	2.28 2.00	03	
04	-0.34 0.43	2.28 2.93	-0.56 0.86	2.21 3.20	0.28 1.38	3.21 3.18	-1.01 1.10	2.00 3.36	1.04 -0.23	1.71 2.73	0.33 -0.58	04	
05	-0.39 0.00	2.18 3.00	-0.54 0.79	2.10 2.86	-0.11 0.59	2.61 2.40	-0.81 -0.79	2.03 2.90	0.56 -0.62	2.08 2.32	0.77 -0.51	05	
06	-0.51 0.08	2.04 2.92	-0.62 0.66	2.33 2.56	-0.57 0.09	2.38 1.84	0.87 2.64	-0.37 -0.44	1.79 2.77	0.50 -0.65	2.09 -0.62	06	
07	-0.68 0.38	2.09 3.17	-0.71 0.58	2.31 2.61	-0.55 -0.20	2.54	1.76 2.84	0.29 -0.60	2.07 3.07	0.73 -0.42	1.81 0.93	0.93 0.20	07
08	-0.42 1.02	2.30 3.13	-0.56 -0.03	2.28	1.79 2.24	-0.29 -0.55	1.79 3.37	0.94 -0.12	2.32 3.04	0.79	2.55 2.95	0.98 -0.18	08
09	-0.61 0.80	2.32	2.08 2.27	-0.58 -0.32	1.63 2.07	-0.03 -0.54	1.99 2.89	0.53	-0.20 1.02	2.68 3.30	2.43 2.73	0.58 -0.22	09
10	2.07 2.22	-0.54 0.39	1.88 2.29	-0.45 -0.54	1.77 2.95	0.24 -0.46	-0.90 0.34	1.59 2.73	0.49 1.07	3.22 3.23	2.38 3.66	0.55	10
11	2.76 2.36	-0.60 0.00	1.84 2.76	-0.31 -0.58	1.95 3.02	0.49	-0.98 0.24	1.48 2.58	-0.01 0.57	2.61 2.88	-0.04 0.47	2.63 3.02	11
12	2.29 2.31	-0.77 -0.35	1.67 2.98	-0.07	-0.50 0.61	1.99 3.38	-1.03 -0.06	1.35 2.04	-0.19 0.50	2.61 3.30	0.03 0.24	2.73 2.54	12
13	2.32 2.53	-0.50 -0.45	-0.59 0.28	1.77 3.27	-0.42 0.60	2.06 2.77	-1.35 -0.18	1.44 2.12	0.11 0.89	3.12 2.99	-0.64 0.32	2.52 2.92	13
14	2.27 2.69	-0.35 0.53	-0.41 3.50	1.93 3.68	-0.77 0.38	1.56 2.78	-1.23 -0.06	1.46 2.06	0.29 0.86	3.13 2.57	0.20 -0.04	2.53 2.47	14
15	-0.54 -0.29	2.07 2.70	-0.21 0.77	2.41 3.23	-0.77 0.40	1.62 2.39	-1.18 -0.07	1.49 2.03	0.13 0.29	2.49 2.12	0.15 -0.10	2.61 2.53	15
16	-0.71 -0.10	1.96 2.90	-0.37 0.83	2.28 3.10	-0.95 0.37	1.47 2.63	-1.10 -0.11	1.65 1.79	0.09 0.41	2.69 1.54	0.84 0.15	2.61 2.33	16
17	-0.54 0.10	1.91 2.76	-0.47 0.75	2.01 2.84	-0.84 0.63	1.65 2.34	-1.12 -0.41	1.47 1.29	0.10 -0.08	2.39 1.39	-0.44 -0.34	2.97 2.11	17
18	-0.73 0.35	2.04 3.16	-0.71 0.97	1.99 2.70	-0.84 0.48	1.80 1.92	-1.26 -0.62	1.38 0.87	0.04 -0.46	2.38	0.64 2.02	3.13 2.02	18
19	-0.57 0.78	2.15 3.01	-0.68 0.69	2.14 2.15	-1.04 0.24	1.71 1.53	-1.09 -0.96	1.42 0.32	1.26 2.04	0.36 -0.44	0.86 -0.11	3.27 2.12	19
20	-0.38 0.99	2.38 3.13	-0.69 0.99	1.95 2.39	-1.09 -0.09	1.71 0.95	-0.90 -0.94	1.69	1.61 2.85	1.00 -0.73	1.11 -0.54	2.81	20
21	-0.59 0.83	1.91 2.40	-0.38 1.51	2.90 2.29	-1.08 -0.10	1.69 1.09	0.84 2.17	-0.21 -1.05	1.63 2.75	0.86 -0.96	2.09 2.63	0.97 0.21	21
22	-0.42 1.01	2.15 2.69	-0.28 0.11	2.35	-0.73 -0.59	1.98	0.97 2.41	0.11 -1.17	1.42 2.39	0.23 -1.10	2.87 3.25	1.41 -0.05	22
23	-0.55 0.52	2.02	1.43 1.96	-0.63 -0.80	0.63 2.05	-0.48 -0.88	1.15 2.69	0.32 -1.06	1.40 2.34	0.00 1.00	2.50 2.84	0.85 -0.24	23
24	2.16 2.02	-0.74 0.25	1.12 1.96	-0.56 -0.41	0.66 2.16	-0.32 -1.03	1.41 2.82	0.36 -0.94	1.58 2.61	-0.07	2.41 3.14	0.59 0.12	24
25	2.11 2.18	-0.47 0.18	1.51 2.59	0.00 -0.60	1.13 2.54	0.04 -0.84	1.64 2.80	0.37	-0.64 0.09	2.28 2.83	3.59 3.94	1.64	25
26	2.26 2.38	-0.13 0.12	1.68 2.72	0.15 -0.49	1.40 2.98	0.49	-0.83 0.46	1.79 2.49	-0.32 -0.08	2.19 2.61	0.78 0.86	3.33 3.18	26
27	2.30 2.57	0.01 0.01	1.86 2.93	0.41	-0.86 0.85	1.93 3.57	-0.79 0.33	1.61 2.98	-0.48 -0.39	2.10 2.23	0.42 0.61	3.45 3.03	27
28	2.84 3.73	0.77 0.57	-0.50 0.64	1.98 3.03	-0.02 1.09	2.54 3.25	-0.79 -0.17	1.87 2.68	-0.50 -0.40	2.25 2.10	0.43 0.03	3.34 2.37	28
29	2.51 3.21	0.40	-0.47 0.62	1.83 3.18	-0.14 0.69	2.29 3.03	-0.81 -0.22	1.86 2.47			0.32 -0.07	3.19 2.47	29
30	-0.20 0.41	2.26 2.79	-0.45 0.65	2.22 3.15	-0.84 0.40	1.87 3.14	-0.90 -0.20	2.02 2.30			-0.16	3.17 2.36	30
31	-0.38 0.48	2.17 2.95			-0.17 0.04	1.90 2.34	-0.65 -0.40	2.14 2.44			0.93 0.39	3.64 2.65	31
MAXIMUM	1.73		3.50		3.57		3.37		3.36		3.94	MAXIMUM	
MINIMUM	-0.82		-0.89		-1.09		-1.35		-1.10		-0.85	MINIMUM	

LOCATION: LAT. 37 53 28, LONG. 121 34 09, NE SEC 31, T2N, R4E,
AT HIGHWAY 4 BRIDGE, 4.2 MILES EAST OF BYRON.

PERIOD OF RECORD: MAY 1963 TO DATE

TABLE A-12 (CONTINUED)
DAILY TIDES
805270, OLD RIVER NEAR RYRON
(APRIL 14, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	0.93 -0.00	2.92 2.00	0.72 -0.96	2.40	3.03 2.48	1.15 -0.04	2.52 1.21	-0.23 -0.58	-0.69 0.53	1.17	2.65 1.58	-0.85 0.41	01
02	0.57 -0.82	2.43	2.11 1.80	0.54 -1.19	3.07 2.10	0.73 -0.20	2.63 1.01	-0.53 -0.22	2.92 1.32	-0.43 0.70	2.61 1.68	-0.84 0.28	02
03	1.50 2.31	0.68 -0.73	1.86 1.47	0.20 -0.91	2.44 1.74	0.14 0.04	2.72 1.15	-0.75 0.32	2.97 1.45	-0.88 0.77	2.68 1.87	-0.74 0.07	03
04	2.23 2.24	0.86 -0.59	2.12 1.20	0.06 -1.14	3.14 1.96	0.00 0.67	3.01 1.46	-0.80 0.67	3.28 2.02	-0.54 0.84	2.94 2.04	-0.63 -0.02	04
05	2.20 2.08	0.74 -0.59	1.67 1.12	-0.47 -0.92	3.84 2.61	0.39 1.10	3.14 1.59	-0.86 0.65	3.18 2.14	-0.55 0.69	2.63 2.32	-0.94 0.27	05
06	2.08 1.94	0.30 -0.61	1.71 1.23	-0.74 -0.62	3.70 2.48	0.31 1.15	3.34 1.92	-0.77 0.94	3.12 2.15	-0.52 0.33	-0.02 -0.12	2.62 2.54	06
07	1.92 2.08	0.03 -0.46	1.96 1.50	-0.81 -0.34	3.80 2.57	-0.11 1.14	3.54 2.07	-0.61 0.70	2.76 1.75	-0.92	0.07 0.02	2.53 2.72	07
08	2.18 2.15	-0.17 -0.33	2.17 1.78	-0.80 0.05	3.95 2.93	-0.10 1.12	3.53 2.05	-0.73 0.71	-0.20 -0.93	2.55 1.45	0.07 0.19	2.45 3.04	08
09	2.22 2.24	-0.31 -0.05	2.44 1.96	-0.70 0.21	3.92 2.04	-0.25 1.20	3.57 2.17	-0.61 0.74	-0.21 -0.74	2.29 2.03	-0.04 0.15	2.22 3.08	09
10	2.38 2.19	-0.36 0.09	2.53 1.73	-0.79 0.19	4.03 2.94	-0.11	0.54 -0.66	3.41 2.60	-0.15 -0.55	2.29 2.35	0.04 0.52	2.24 3.21	10
11	2.50 2.41	-0.17	2.45 1.29	-1.02 0.06	4.51 0.30	4.34 3.18	0.45 -0.73	3.14 2.28	0.01 -0.14	2.51 2.81	-0.09 0.85	2.15 3.25	11
12	0.42 -0.45	2.68 2.10	2.35 1.82	-1.13	4.48 -0.14	4.13 2.87	-0.18 -0.76	2.89 2.40	-0.10 0.02	2.07 2.50	-0.07 1.02	2.19 3.26	12
13	0.42 -0.46	2.65 2.16	0.45 -0.81	2.68 2.43	4.04 -0.34	3.69 3.07	-0.15 -0.57	2.66 2.87	-0.11 0.10	1.79 2.44	-0.14 1.08	2.19	13
14	0.80 -0.28	3.11 2.46	1.29 -0.30	3.26 2.48	4.36 3.45	3.69 3.45	-0.36 -0.26	2.66 3.09	-0.31 0.42	1.85	3.06 2.07	-0.27 0.81	14
15	0.83 -0.70	2.91 2.11	0.99 -0.61	3.35 2.44	4.43 0.15	3.34 3.43	-0.01 -0.49	2.01 2.84	2.45 1.86	-0.47 0.72	2.82 2.20	-0.39 0.55	15
16	0.81 -0.78	2.89 2.11	0.95 -0.67	3.35 2.44	0.72 -0.19	2.89	-0.48 -0.32	1.56	3.01 1.79	-0.59 0.73	2.70 2.25	-0.42 0.67	16
17	0.90 -0.73	2.81	0.80 -0.48	2.82	3.43 2.38	0.30 0.22	2.96 1.79	-0.55 0.37	2.86 1.82	-0.83 0.80	2.55 2.34	-0.34 0.23	17
18	2.16 2.44	0.95 1.00	2.44 2.54	0.50 -0.43	3.54 2.15	-0.03 0.25	3.36 1.92	-0.55 0.60	2.76 1.45	-0.72 0.36	2.55 2.66	-0.10 0.28	18
19	1.98 2.05	0.51 -1.20	2.93 2.47	0.43 -0.03	3.64 2.11	-0.18 0.29	3.43 2.04	-0.62 0.67	2.65 1.94	-0.74 0.24	2.48 2.42	-0.69	19
20	1.81 1.93	0.98 -1.02	3.46 2.25	0.80 -0.43	3.54 2.22	-0.50 0.71	3.43 2.13	-0.61 0.72	2.66 1.92	-0.76 0.21	0.83 -0.25	2.17 2.18	20
21	2.03 2.24	-0.01 -0.56	2.71 1.91	-0.43 -0.20	3.63 2.21	-0.48 0.72	3.44 2.15	-0.62 0.50	2.51 2.17	-0.51	-0.21 -0.09	2.09 2.17	21
22	2.40 2.35	-0.07 -0.49	3.09 2.10	-0.49 0.10	3.61 2.28	-0.57 0.75	3.38 2.16	-0.66 0.53	0.37 -0.45	2.52 2.13	-0.30 -0.13	1.82 2.25	22
23	2.36 2.08	-0.59 -0.42	3.31 2.21	-0.44 0.33	3.58 2.32	-0.63 0.85	3.24 2.23	-0.58	0.10 -0.47	2.27 2.06	-0.54 -0.31	1.59 2.08	23
24	2.49 2.33	-0.69 0.26	3.45 2.28	-0.53 0.62	3.34 2.18	-0.59	0.54 -0.57	3.21 2.25	-0.04 -0.48	2.05 1.94	-0.29 -0.17	1.38 2.16	24
25	2.99 2.37	-0.43	3.55 2.33	-0.52	0.51 -1.07	2.93 1.98	-0.39 -0.66	2.98 2.34	-0.14 -0.25	1.49 0.94	-0.24 0.24	1.44 2.34	25
26	0.16 -0.82	2.82 1.94	0.86 -0.69	3.49 2.43	0.41 -1.05	2.72 2.10	0.39 -0.44	2.87 2.54	0.10 0.19	2.05 2.69	-0.56 0.65	1.67 2.47	26
27	0.07 -0.89	2.89 1.84	0.96 -0.45	3.48 2.41	0.51 -1.01	2.72 2.17	0.45 -0.07	2.78 2.94	-0.02 -0.08	1.65 2.45	-0.40 1.10	1.76 2.82	27
28	0.20 -0.97	2.59 1.95	0.94 -0.44	3.41 2.46	0.41 -1.06	2.35 2.23	0.61 -0.04	2.58 2.94	-0.44 -0.03	1.26 2.35	-0.43 0.84	1.83 2.57	28
29	0.44 -1.02	2.68 2.05	0.92 -0.83	3.13 2.45	0.21 -0.88	2.09 2.34	-0.33 -0.25	2.01 2.77	-0.76 0.35	1.10 2.38	-0.68 0.66	1.95	29
30	0.67 -0.98	2.69 2.10	1.09 -0.53	3.80 2.90	0.10 -1.09	1.54	-0.04 -0.23	1.46 2.75	-0.91 0.44	1.11 2.81	2.43 2.08	-0.45 0.47	30
31			1.32 -0.32	2.84			-0.44 0.12	1.22 2.90	-0.89 0.65	1.32			31
MAXIMUM	3.11		3.68		4.34		3.57		3.28		3.26		MAXIMUM
MINIMUM	-1.20		-1.19		-1.07		-0.86		-0.93		-0.85		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 6.17 - 2-15-69

ZERO OF GAGE: 1963 T. 1000 - 1.11
1964 - 1.11

TABLE R-12 (CONTINUED)

DAILY TIDES

 895189 OLD RIVER NEAR ROCK SLOUGH
 (OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.48 5.99	3.05	2.51 3.73	5.24 6.49	2.57 4.07	5.35 6.75	1.94 3.12	5.05 5.67	3.18 3.25	6.25 5.60	3.03 2.96	6.22 5.55	01
02	3.12 3.52	5.61 6.35	2.64 3.99	5.36 6.50	2.63 4.20	5.59 6.66	2.17 2.95	5.26 5.15	3.50 3.26	6.63 5.26	3.16 2.61	6.13 4.90	02
03	3.12 3.60	5.67 6.25	2.52 3.87	5.25 6.31	2.71 4.14	5.73 6.47	1.99 2.57	5.19 4.59	3.30 2.94	6.43	2.96 2.35	5.88 4.85	03
04	2.86 3.05	5.48 6.36	2.38 3.85	5.18 6.21	3.27 4.43	6.21 6.43	2.02 2.47	5.51 4.30	5.29 3.83	4.27 2.95	3.57 2.64	6.20	04
05	2.81 3.81	5.36 6.40	2.40 3.86	5.32 6.00	2.84 3.63	5.84 5.41	2.22 2.23	5.54	5.06 6.31	3.77 2.53	5.23 6.33	4.01 2.68	05
06	2.69 3.90	5.22 6.30	2.32 3.65	5.32 5.57	2.38 3.11	5.65 4.85	4.19 6.12	2.71 2.57	4.89 6.13	3.71 2.48	5.38 6.28	4.24 2.60	06
07	2.53 4.22	5.28 6.54	2.25 3.65	5.40 5.62	2.43 2.81	5.82	4.76 6.30	3.39 2.48	5.16 6.41	3.93 2.70	5.31 6.68	4.15 3.37	07
08	2.79 4.26	5.46 6.29	2.40 3.00	5.51	4.78 5.72	2.71 2.43	5.10 6.82	4.10 2.92	5.40 6.46	3.98 2.93	5.89 6.32	4.20 2.95	08
09	2.60 4.04	5.49 6.14	5.11 5.58	2.42 2.70	4.92 6.00	2.99 2.43	5.24 6.21	3.66 2.21	5.99 6.74	4.21 3.67	5.84 6.18	3.82 2.93	09
10	2.56 3.64	5.54	4.91 5.66	2.86 2.44	4.84 6.26	3.32 2.45	4.79 6.10	3.50	6.29 6.57	4.20	5.77 6.16	3.72 3.11	10
11	5.96 5.57	2.60 3.21	4.86 5.60	2.71 2.39	4.94 6.32	3.53 2.42	2.09 3.39	4.71 6.02	3.11 3.74	5.71 6.21	5.92 6.13	3.61 3.18	11
12	5.68 5.56	2.48 2.87	4.88 6.05	2.97 2.37	4.98 6.41	3.66	2.05 3.12	4.67 5.56	2.93 3.67	5.71 6.24	5.63 5.88	3.38 3.13	12
13	5.55 5.77	2.70 2.74	5.06 6.32	3.32	2.51 3.63	5.05 6.14	1.75 2.98	4.46 5.55	3.27 4.06	6.27 6.24	5.91 6.02	3.45	13
14	5.50 5.94	2.84 2.66	2.52 3.59	5.20 6.52	2.14 3.48	4.80 6.04	1.89 3.11	4.69 5.43	3.45 3.90	6.22 5.77	3.34 3.07	5.85 5.57	14
15	5.39 5.95	2.93	2.76 3.85	5.42 6.53	2.15 3.46	4.83 5.80	1.95 3.11	4.84 5.28	3.23 3.42	5.86 5.32	3.28 2.98	5.95 5.58	15
16	2.47 3.12	5.28 6.14	2.58 3.91	5.29 6.38	1.98 3.45	4.73 5.64	2.02 3.05	4.98 4.98	3.25 3.44	6.04 4.70	3.96 3.21	6.51 5.36	16
17	2.50 3.32	5.29 6.21	2.49 3.85	5.24 6.02	2.08 3.62	4.96 5.60	1.96 2.75	4.86 4.43	3.18 3.06	5.71 4.45	3.56 2.75	6.03 5.13	17
18	2.44 3.55	5.26 6.31	2.27 4.06	5.26 5.92	2.11 3.56	5.09 5.12	1.91 2.58	4.85 4.14	3.20 2.69	5.71 4.29	3.77 2.81	6.16 5.04	18
19	2.61 3.98	5.50 6.43	2.29 3.81	5.15 5.35	1.93 3.32	5.02 4.63	2.11 2.21	4.94 3.66	3.55 2.71	6.03	4.02 3.01	6.30 5.22	19
20	2.80 4.21	5.55 6.29	2.10 3.90	5.21 5.39	1.90 2.99	4.96 4.12	2.32 2.22	5.18	4.63 6.19	4.13 2.38	4.28 2.58	6.06	20
21	2.61 4.05	5.31 5.77	2.66 4.06	6.31 5.32	1.99 2.99	5.18 4.12	3.94 5.61	3.81 2.11	4.63 6.03	3.82 2.12	5.12 5.94	4.16 3.34	21
22	2.39 4.20	5.44 5.79	2.76 3.18	5.61 4.45	2.32 2.43	5.36	4.69 5.79	3.33 1.95	4.48 5.83	3.39 1.99	6.14 6.49	4.59 3.05	22
23	2.63 3.80	5.41 5.24	2.43 2.66	5.32	3.84 5.38	2.55 2.09	4.24 6.06	3.49 2.08	4.71 5.88	3.18 2.10	5.82 6.25	4.02 2.82	23
24	2.40 3.43	5.37	4.28 5.39	2.50 2.66	3.85 5.53	2.77 1.96	4.53 6.22	3.54 2.14	4.95 6.05	3.06 2.43	5.85 6.39	3.73 3.23	24
25	5.20 5.54	2.67 3.35	4.80 5.86	3.08 2.51	4.16 5.96	3.15 2.14	4.75 6.35	3.55 2.39	5.39 6.19	3.21	6.69 7.22	4.73 3.81	25
26	5.36 5.79	2.99 3.24	4.69 6.04	3.22 2.50	4.63 6.25	3.57 2.31	5.02 6.52	3.61	2.76 3.03	5.62 5.92	6.34 6.37	3.73 3.48	26
27	5.38 5.92	3.11 3.11	4.89 6.26	3.46 2.46	4.99 7.04	4.03	2.34 3.37	4.94 6.38	2.62 2.75	5.58 5.62	6.53 6.24	3.59 3.46	27
28	5.75 6.87	3.88 3.68	5.07 6.46	3.72	2.98 4.04	5.53 6.65	2.32 3.06	5.83 6.15	2.67 2.76	5.83 5.48	6.41 5.64	3.03	28
29	5.59 6.27	3.45 2.84	2.49 3.69	5.10 6.46	2.76 3.69	5.29 6.49	2.33 2.94	5.18 5.77			3.42 2.99	6.63 5.73	29
30	5.33 6.18	3.45	2.49 3.94	5.25 6.68	2.30 3.44	5.06 6.42	2.34 2.98	5.45 5.66			3.62 2.98	6.65 5.76	30
31	2.60 3.54	5.19 6.29			2.60 2.99	4.84 5.67	2.52 2.93	5.63 5.68			4.03 3.28	6.90 5.65	31
MAXIMUM	6.87		6.68		7.04		6.82		6.83		7.22		MAXIMUM
MINIMUM	2.39		2.10		1.90		1.75		1.99		2.35		MINIMUM

 LOCATION: LAT. 37 59 25, LONG. 121 34 49, SW SEC. 30, T2N, R4E,
 ON AMERICAN ISLAND (FORMERLY KELLAND TRACT), 1.2 MILES
 NORTH OF ROCK SLOUGH, 4.7 MILES NORTHEAST OF KNIGHTSEN.

PERIOD OF RECORD: MAR 1945 TO DATE

TABLE B-12 (CONTINUED)
DAILY TIDES
895180 OLD RIVER NEAR ROCK SLOUGH
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.06 2.50	6.25 5.10	3.99 2.29	5.83 5.34	4.37 3.07	5.55	NR	NR	2.57 3.76	4.54	6.27 4.99	2.37 3.59	01
02	3.79 2.34	5.73	3.82 2.10	5.25	6.26 5.16	3.92 3.08	NR	NR	6.31 4.71	2.43 3.95	6.18 5.10	2.35 3.48	02
03	5.09 5.62	3.92 2.47	5.37 4.90	3.48 2.37	6.14 4.81	3.32 3.24	2.51 3.54	4.35	6.43 4.95	2.36 4.07	6.27 5.29	2.44 3.29	03
04	5.38 5.58	4.10 2.62	5.63 4.55	3.32 2.11	6.29 5.03	3.16 3.90	6.25 4.62	2.43 3.86	6.76 5.40	2.78 4.11	6.24 5.49	2.58 3.20	04
05	5.61 5.48	3.99 2.63	5.29 4.35	2.76 2.34	6.98 5.83	3.53 4.30	6.39 4.73	2.35 3.85	6.84 5.47	2.68 3.98	6.24 5.77	2.80 3.19	05
06	5.51 5.38	3.52 2.60	5.23 4.49	2.49 2.64	7.05 5.77	3.44 4.37	6.60 5.07	2.41 4.17	6.78 5.41	2.45 3.59	6.22 6.09	3.07	06
07	5.50 5.42	3.27 2.75	5.51 4.73	2.40 2.92	6.94 5.66	3.02 4.35	6.77 5.25	2.57 4.04	6.42 5.12	2.27 3.64	3.28 3.22	6.11 6.36	07
08	5.65 5.40	3.05 2.87	5.74 5.00	2.42 3.29	7.11 5.69	2.98 4.35	6.75 5.25	2.45 3.94	6.69 5.34	2.28	3.26 3.41	6.01 6.56	08
09	5.66 5.42	2.88 3.18	6.06 5.13	2.51 3.43	NR	NR	6.80 5.37	2.58 3.78	3.03 2.50	6.03 5.65	3.12 3.34	5.67 6.59	09
10	5.83 5.48	2.79 3.27	6.13 5.10	2.37 3.43	NR	NR	6.62 5.41	2.52	3.09 2.69	5.91 5.96	3.24 3.71	5.67 6.69	10
11	5.93 5.52	2.76 3.58	6.05 4.84	2.14 3.29	NR	NR	3.69 2.48	6.41 5.52	3.22 3.09	5.87 6.37	3.11 4.02	5.56 6.73	11
12	6.16 5.39	2.64 3.59	6.04 5.05	2.07 3.71	NR	NR	3.52 2.49	6.19 5.72	3.34 3.24	5.56 6.47	3.13 4.22	5.55 6.71	12
13	6.28 5.54	2.71 5.60	6.30 5.60	2.34	NR	NR	3.39 2.62	5.87 6.11	3.12 3.31	5.24 6.45	3.04 4.24	5.63 6.50	13
14	4.01 2.84	6.58 5.57	4.51 2.87	6.84 5.63	NR	NR	3.60 3.02	5.85 6.37	2.93 3.60	5.11 6.50	2.91 3.97	5.56	14
15	4.01 2.37	6.30 5.21	4.22 2.55	6.49 5.60	NR	NR	3.25 2.73	5.20 6.13	2.77 3.87	5.19 6.74	6.30 5.54	2.79 3.77	15
16	4.08 2.37	6.22 5.21	4.16 2.46	6.26 5.67	NR	NR	2.75 2.90	4.74	6.63 5.27	5.74 3.93	6.13 5.51	2.77 3.47	16
17	4.10 2.40	6.11 5.38	4.02 2.24	5.89 5.58	NR	NR	6.33 5.01	2.69 3.65	6.50 5.40	2.68 3.84	6.01 5.64	2.84 3.42	17
18	4.06 2.16	5.73	3.71 2.73	5.65	NR	NR	6.64 5.10	2.66 3.84	6.39 5.27	2.49 3.58	6.04 5.79	3.08 3.47	18
19	5.10 5.41	3.72 1.93	6.08 5.61	3.62 3.24	NR	NR	6.66 5.24	2.58 3.94	6.22 5.25	2.46 3.46	5.97 5.78	3.09 3.21	19
20	5.09 5.27	3.29 2.13	6.60 5.18	3.75 2.47	NR	NR	6.67 5.33	2.59 3.96	6.05 5.34	2.45 3.43	5.65 5.63	2.93 2.97	20
21	5.45 5.56	3.19 2.66	5.91 5.02	2.65 2.98	NR	NR	6.64 5.33	2.57 3.83	6.10 5.60	2.49 3.58	5.59 5.72	3.10	21
22	5.89 5.58	3.16 2.73	6.29 5.21	2.62 3.28	NR	NR	6.59 5.36	2.55 3.78	6.11 5.56	2.76	2.89 3.08	5.36 5.68	22
23	5.88 5.30	2.63 2.78	6.50 5.34	2.66 3.51	NR	NR	6.55 5.44	2.63 3.78	3.34 2.75	5.83 5.58	2.66 2.90	5.60 5.54	23
24	6.05 5.67	2.56 3.48	6.65 5.42	2.58 3.81	NR	NR	6.46 5.44	2.65	3.20 2.74	5.63 5.57	2.37 3.06	4.80 5.64	24
25	6.54 5.59	2.74 3.37	6.81 5.45	2.55 3.85	NR	NR	3.67 2.55	6.19 5.57	3.10 2.99	5.45 5.82	2.38 3.41	4.81 5.86	25
26	6.32 5.21	2.33 3.29	6.73 5.66	2.60	NR	NR	3.68 2.74	6.07 5.78	3.34 3.43	5.55 6.15	NR	NR	26
27	6.33 5.15	2.29	4.19 2.62	6.80 5.63	NR	NR	3.74 3.15	5.96 6.15	3.22 3.15	5.05 5.91	NR	NR	27
28	3.45 2.18	6.20 5.16	4.15 2.55	5.82 5.58	NR	NR	3.89 3.19	5.74 6.18	2.82 3.21	4.43 5.83	NR	NR	28
29	3.68 2.18	6.18 5.27	4.13 2.30	5.22 5.68	NR	NR	3.80 3.07	5.22 6.03	2.68 3.47	4.47 5.89	NR	NR	29
30	3.93 2.24	6.10 5.12	4.42 2.60	6.19 5.86	NR	NR	3.21 3.02	4.65 5.97	2.34 3.91	4.50 6.14	NR	NR	30
31			4.53 2.83	5.93 6.14			2.81 3.33	4.36 6.10	2.33 3.97	4.84			31
MAXIMUM	6.58		6.84		NR		NR		6.84		NR		MAXIMUM
MINIMUM	1.93		2.07		NR		NR		2.27		NR		MINIMUM

NR - NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 10.0 - 12-26-55

ZERO OF GAGE: 1945 -3.00 USCGS
1964 -1.58 USCGS
1964 TO DATE -3.00 USGOS

TABLE 8-12 (CONTINUED)
DAILY TIDES
B94175 HOKELUMME RIVER NEAR THORNTON
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	0.94 1.08	2.97 3.00	1.12 1.71	2.79 3.90	1.05 1.96	2.89 4.20	0.08 0.87	2.55 3.15	0.97 1.17	3.78 3.24	0.65 0.71	3.60 2.90	01
02	1.20 1.53	3.09 3.47	1.06 1.84	2.85 3.96	1.12 2.09	3.12 4.14	0.15 0.68	2.73 2.58	1.24 1.39	4.04 2.84	0.78 0.36	3.50 2.31	02
03	1.30 1.54	3.15 3.76	0.94 1.74	2.74 3.78	1.29 1.68	3.38 4.02	-0.11 0.31	2.65 1.99	1.90 1.81	4.07 2.84	0.53 0.97	3.46 2.47	03
04	1.08 1.54	2.97 3.42	0.77 1.65	2.66 3.63	0.75 1.63	3.45 3.65	-0.20 0.21	2.97 1.68	3.23 4.34	2.68 2.04	1.62 1.15	3.77 2.47	04
05	0.90 1.57	2.83 3.43	0.88 1.64	2.74 3.41	0.23 1.06	3.16 2.70	-0.12 0.01	3.01	3.02 4.04	2.46 2.52	2.78 3.81	1.94 1.18	05
06	0.90 1.65	2.67 3.74	0.54 1.35	2.76 2.95	-0.10 0.47	2.98	1.65 3.58	0.35 0.38	3.24 3.83	2.67 3.86	2.89 3.97	2.18 1.24	06
07	0.78 1.91	2.70 3.95	0.30 1.38	3.05 3.02	2.14 3.07	-0.25 0.13	2.15 3.69	0.88 0.50	1.57 2.02	2.86 3.86	3.03 4.07	2.36 1.33	07
08	1.04 1.98	2.94 3.71	0.40 0.85	2.90	2.07 3.01	-0.08 -0.31	2.59 4.33	1.86	1.00 1.83	2.87 3.90	3.30 3.88	1.98 2.68	08
09	0.93 1.90	3.03	2.54 3.08	0.34 0.56	1.82 3.24	0.11 -0.29	1.30 1.83	2.77 3.71	1.81 2.49	3.52 4.33	4.21 5.17	4.16	09
10	3.62 3.08	0.88 1.59	2.35 3.16	0.30 0.40	2.10 3.46	0.46	1.14 1.81	2.54 3.70	3.214	4.454	4.73 4.57	5.13 4.91	10
11	3.42 3.03	0.89 1.23	2.28 3.29	0.52	-0.24 0.65	2.51	0.84 1.42	2.33 3.59	4.454	7.144	3.45 3.43	4.35 4.16	11
12	3.28 3.13	0.80 1.06	0.37 0.77	2.37 1.51	-0.31 0.77	2.21 3.57	0.49 1.03	2.21 3.14	7.104	4.944	2.90 2.61	3.79 3.70	12
13	3.11 3.34	0.96	0.45 1.05	2.54 3.73	-0.23 0.71	2.25 3.34	0.03 0.77	2.00 3.04	4.432	4.401	2.24 2.23	3.62 3.65	13
14	1.01 1.05	3.06 3.50	0.53 1.25	3.04 3.90	-0.59 0.60	2.06 3.25	-0.04 0.77	2.14 2.89	5.124	7.964	2.20 2.99	3.65 4.50	14
15	0.91 1.05	2.91 3.49	0.78 1.53	2.85 3.03	-0.62 0.59	2.07 3.05	-0.06 0.73	2.32 2.70	7.794	6.054	4.69 4.75	5.27 5.04	15
16	0.75 1.16	2.81 3.68	0.72 1.59	2.75 3.78	-0.78 1.14	2.00 3.08	-0.13 0.64	2.45 2.38	5.28 3.97	5.38 3.97	4.53 3.99	5.08 4.34	16
17	0.83 1.33	2.81 3.72	0.65 1.52	2.69 3.47	0.12 1.13	2.39 3.04	-0.23 0.35	2.24 1.79	2.95 2.34	3.83 2.72	4.19 4.67	5.12 4.87	17
18	0.80 1.49	2.78 3.79	0.47 1.88	2.77 3.34	0.14 1.14	2.57 2.52	-0.38 0.16	2.32 1.57	1.93 1.36	3.47 1.13	4.43 3.74	4.82 4.10	18
19	0.93 1.83	2.99 3.87	0.43 1.47	2.57 2.76	-0.08 0.94	2.50 2.00	-0.26 -0.16	2.39 0.98	2.15 3.59	1.65 1.13	3.87 3.55	4.63 3.55	19
20	1.06 1.97	3.04 3.69	0.23 1.55	2.65 2.78	-0.21 0.63	2.42 1.51	-0.19 -0.14	2.62	2.47 3.61	1.91 1.04	3.95 4.27	3.66 3.03	20
21	0.85 1.75	2.69 3.20	0.73 2.36	3.86 2.74	-0.21 0.64	2.64 1.49	1.29 3.04	0.39 -0.10	2.46 3.44	2.09 1.25	3.76 4.28	3.51 3.59	21
22	0.66 1.92	2.89 3.25	0.84 1.16	3.69	0.00 0.13	2.60	1.45 3.18	0.69 -0.26	2.43 3.45	1.77	4.024	5.084	22
23	0.83 1.65	2.95	1.97 2.86	0.56 0.91	1.16 2.56	0.65 -0.22	1.60 3.45	0.45 -0.15	0.80 1.30	2.40 3.39	5.814	7.534	23
24	0.55 1.39	2.88	1.85 3.00	0.70 0.90	1.14 2.96	0.26 -0.18	1.83 3.57	0.90	0.52 1.04	2.51 3.47	7.164	5.744	24
25	2.65 3.06	0.82 1.35	2.40 3.35	1.17 0.85	1.54 3.27	0.62 0.01	-0.08 0.92	2.14 3.72	0.60 1.05	2.40 3.50	5.19 5.71	6.06 6.03	25
26	2.82 3.34	1.02 1.29	2.24 1.59	1.24	1.99 3.73	1.03	0.13 1.08	2.39 3.76	0.73 0.84	3.04 3.27	6.214	9.044	26
27	2.85 3.43	1.06 1.15	0.90 1.45	2.48 3.75	0.21 1.53	2.42 4.38	0.12 0.61	2.32 3.42	0.50 0.55	3.02 3.01	8.944	8.184	27
28	3.28 4.35	1.02	0.92 1.67	2.61 3.96	0.96 1.37	2.76 3.96	0.01 0.59	2.42 3.52	0.45 0.51	3.21	8.164	7.244	28
29	1.70 1.39	3.02 3.73	0.97 1.87	2.66 3.95	0.49 1.25	2.55 3.92	0.10 0.44	2.56 3.15	0.60 1.05	2.40 3.50	7.05 6.33	7.17 6.37	29
30	1.10 1.39	2.81 3.81	0.98 1.87	2.79 4.13	0.29 1.32	2.59 3.73	0.04 0.52	2.85 3.03	5.84 5.37	6.15 5.55			30
31	1.63 1.73	2.84 3.88			0.26 0.67	2.18 3.09	0.17 0.85	3.11 3.35	5.18 4.83	5.65 5.05			31
MAXIMUM		4.14	4.13		4.38		4.33		4.454		9.044		MAXIMUM
MINIMUM		0.45	0.23		-0.78		-0.38		0.454		0.364		MINIMUM

A - HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

LOCATION: LAT. 38 15 20, LONG. 121 26 21, 1/4 SEC. 28 T5N, R5E,
AT HIGHWAY BRIDGE, 2.3 MILES NORTHWEST OF THORNTON.
AT TIMES, TIDAL FLUCTUATION IS INFLUENCED BY OPERATION
OF THE DELTA CROSS CHANNEL GATES.

PERIOD OF RECORD: FEB 1959 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIDES

B94175 HOKELUMNE RIVER NEAR THORNTON
(APRIL 1, 1975; THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.65 4.04	5.04	3.92 3.46	4.41	4.03 3.68	3.34 2.57	1.01 0.61	1.79	0.46 1.19	1.84	3.73 2.51	0.68 1.43	01
02	4.35 4.52	4.03 3.46	4.16 4.17	3.86 3.30	4.12 3.43	3.15 2.50	3.37 1.60	0.69 0.64	3.68 2.16	0.39 1.43	3.68 2.62	0.62 1.33	02
03	4.06 4.26	3.73 3.27	4.12 3.96	3.70 3.34	3.98 3.04	2.70 2.37	3.34 1.76	0.42 1.03	3.63 2.45	0.42 1.60	3.78 2.84	0.71 1.26	03
04	3.98 4.19	3.64 3.13	4.23 3.84	3.69 3.32	4.03 3.11	2.49 2.65	3.63 2.01	0.41 1.34	4.10 2.85	0.73 1.68	3.78 3.07	0.93 1.24	04
05	4.08 4.16	3.63 3.40	4.21 3.90	3.72 3.53	4.54 3.53	2.79 2.96	3.77 2.21	0.38 1.03	4.19 2.99	0.71 1.61	3.79 3.36	1.00 3.69	05
06	4.41 4.78	4.24 4.57	4.24 3.95	3.69 3.58	4.62 3.63	2.78 3.08	3.97 2.55	0.17 1.66	4.15 2.96	0.75 1.30	1.26 1.34	3.75 3.93	06
07	5.20 5.34	5.02	4.31 3.87	3.55 4.48	4.55 3.56	2.58 3.05	4.15 2.75	0.62 1.63	3.85 2.61	0.30	1.37 1.34	3.64 3.93	07
08	4.97 4.82	5.33 5.04	4.26 3.63	3.14 3.11	4.68 3.54	2.53 3.03	4.12 2.78	0.41 1.15	0.78 0.28	3.58 2.83	1.46 1.46	3.56 4.03	08
09	4.44 4.18	4.81 4.57	4.22 3.85	2.05	4.61 3.52	2.41	4.14 2.89	0.63	0.82 0.51	3.52 3.22	1.29 1.28	3.18 4.08	09
10	4.03 3.84	4.61 4.34	3.16 2.97	4.24 3.67	2.98 2.41	4.68 3.74	1.41 0.52	3.59 2.94	0.92 0.68	3.41 3.52	1.38 1.59	3.23 4.12	10
11	3.77 3.74	4.48 4.47	3.23 2.96	4.25 3.62	3.14 2.65	4.96 3.91	1.34 0.46	3.84 3.77	1.10 0.97	3.38 3.79	1.29 1.86	3.14 4.18	11
12	4.12 3.85	4.75 4.27	3.26 3.03	4.29 3.75	3.17 2.18	4.73 3.62	1.24 0.46	3.57 3.22	1.19 1.01	3.06 3.91	1.34 1.96	3.09 4.15	12
13	3.96 3.70	4.66 4.27	3.48 3.32	4.50 4.19	2.76 1.88	4.26 3.86	1.15 0.61	3.34 3.59	1.03 1.00	2.70 3.87	1.29 2.03	3.15	13
14	3.98 3.76	4.80 4.20	4.03 3.82	4.98 4.35	2.89 1.88	4.28 4.06	1.41 0.97	3.32 3.88	0.85 1.21	2.57 3.92	3.98 3.14	1.15 1.88	14
15	3.84 3.38	4.55 3.99	4.11 3.85	4.81 4.46	2.74 1.82	3.97 4.07	1.05 0.65	2.47 3.60	0.75 1.47	2.63	3.84 3.10	1.09 1.71	15
16	3.82 3.80	4.61	4.29 4.12	4.83	2.25 1.48	3.35	0.71 0.87	2.22	4.02 2.76	0.76 1.55	3.62 3.08	1.05 1.48	16
17	4.30 4.75	4.19 3.91	4.67 4.77	4.41 3.97	4.07 3.29	2.23 2.29	3.76 2.52	0.68 1.38	3.94 3.02	0.72 1.63	3.55 3.22	1.07 1.44	17
18	4.38 4.54	4.17 3.65	4.55 4.60	4.23 3.98	4.27 3.10	2.26 2.30	4.01 2.61	0.78 1.50	3.85 2.78	0.63 1.38	3.58 3.39	1.24 3.35	18
19	4.17 4.28	3.93 3.39	4.77 4.62	4.31 4.15	4.40 3.14	2.31 2.30	4.05 2.73	0.71 1.62	3.74 2.76	0.84 1.27	1.52 1.25	3.56 3.35	19
20	4.04 4.10	3.86 3.27	5.03 4.34	4.24 3.80	4.30 3.16	1.98 2.45	4.10 2.86	0.77 1.64	3.58 2.93	0.61	1.26 1.02	3.21 3.23	20
21	4.13 4.18	3.58 3.39	4.64 4.22	3.92 3.85	4.41 3.09	1.86 2.24	4.04 2.61	0.76 1.47	1.28 0.80	3.63 3.17	1.07 1.14	3.16 3.32	21
22	4.36 4.21	3.65 3.40	4.76 4.33	3.92 3.97	4.33 3.16	1.80 2.31	3.97 2.87	0.44	1.46 0.97	3.62 3.12	1.00 1.08	2.95 3.24	22
23	4.30 3.95	3.35 3.20	4.82 4.18	3.82 3.77	4.29 3.27	1.61	1.47 0.70	3.94 2.96	1.29 0.89	3.40 3.18	0.76 0.92	2.52 3.11	23
24	4.34 4.24	3.34	4.78 4.02	3.53	2.32 1.47	4.18 3.02	1.47 0.72	3.88 2.99	1.17 0.84	3.16 3.16	0.57 0.99	2.33 3.19	24
25	3.69 3.64	4.69 4.27	3.63 3.35	4.69 3.97	1.97 0.91	3.77 2.84	1.37 0.61	3.63 3.08	1.11 0.97	3.00 3.37	0.62 1.22	2.32 3.37	25
26	3.91 4.12	4.80 4.59	3.59 3.36	4.69 4.12	1.86 0.95	3.59 2.97	1.40 0.75	3.50 3.29	1.29 1.36	3.11 3.68	0.68 1.50	2.51 3.54	26
27	4.37 4.37	5.14 4.68	3.76 3.35	4.73 4.05	1.94 0.91	3.45 3.03	1.68 1.03	3.30 3.58	1.22 1.00	2.55 3.45	0.83 1.83	2.64 3.63	27
28	4.42 4.16	5.03 4.52	3.66 3.09	4.48 3.90	1.83 0.83	3.04 2.97	1.63 0.96	3.16 3.64	0.82 0.95	2.06 3.37	0.87 1.75	2.66 3.44	28
29	4.28 3.92	4.83 4.38	3.55 2.84	4.26 3.92	1.47 0.56	2.68 3.11	1.39 0.89	2.88 3.48	0.58 1.12	1.90 3.40	0.75 1.60	2.75	29
30	4.17 3.76	4.74 4.20	3.52 2.47	4.15 3.45	1.27 0.57	2.22 3.28	0.97 0.69	2.03 3.39	0.49 1.52	2.09 3.63	3.48 2.96	0.87 1.52	30
31			3.38 2.53	3.87			0.61 0.84	1.72 3.48	0.58 1.68	2.37			31
MAXIMUM	5.34		5.03		4.96		4.16		4.19		4.18		MAXIMUM
MINIMUM	3.13		2.47		0.43		0.17		0.28		0.57		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 14.5 - 2-2-63

ZERO OF GAGE: 1959
1964
1964 TO DATE: 0.00 USGS

TABLE B-12 (CONTINUED)

DAILY TIDES

BS9150 MOKELEHNE RIVER, SOUTH FORK, AT NEW HORE BRIDGE
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.94 3.48	0.80	0.38 1.22	2.63 3.84	0.83 1.85	2.86 4.27	NR	NR	0.93 1.12	3.88 3.24	0.27 0.27	3.52 2.84	01
02	0.91 1.22	3.07 3.86	0.45 1.45	2.73 3.92	0.91 2.00	3.08 4.20	NR	NR	1.21 1.21	4.12 2.78	0.41 -0.09	3.43 2.25	02
03	0.97 1.28	3.10 3.75	0.41 1.38	2.63 3.73	1.06 1.50	3.34 4.04	-0.19 0.25	2.64 1.97	1.40 0.40	3.99	0.16 0.52	3.53 2.39	03
04	0.75 1.27	2.90 3.82	0.25 1.34	2.57 3.57	0.54 1.53	3.43 3.64	-0.22 0.18	3.01 1.86	2.77 4.19	1.53 0.43	1.34 0.73	3.72	04
05	0.68 1.35	2.77 3.82	0.22 1.32	2.67 3.34	0.09 0.82	3.08 2.66	-0.13 -0.03	3.04	2.43 3.70	1.05 0.01	2.73 3.79	1.69 0.76	05
06	0.58 1.45	2.61 3.70	0.10 1.11	2.68 2.90	-0.37 0.30	2.91 2.10	1.64 3.63	0.34 0.32	2.26 3.52	0.98 -0.09	2.84 3.82	1.94 0.74	06
07	0.43 1.73	2.64 3.94	-0.04 1.15	2.98 2.95	-0.37 0.03	3.01	2.13 3.76	0.88 0.31	2.52 3.73	1.17	2.94 4.06	1.98 0.69	07
08	0.70 1.80	2.88 3.69	0.06 0.55	2.82	2.02 2.95	-0.13 -0.38	2.54 4.37	1.85 0.90	0.07 1.20	2.73 3.82	3.23 3.67	1.40 0.49	08
09	0.55 1.62	2.94 3.58	2.46 3.01	0.02 0.30	1.84 3.22	-0.08 -0.35	2.69 3.69	1.38	0.45 1.54	3.33 4.22	3.73 3.13	1.29 0.67	09
10	0.49 1.29	2.99	2.28 3.10	0.13 0.12	2.87 3.44	0.44 -0.31	0.45 1.36	2.34 3.64	1.17 1.91	3.73 4.17	3.27 3.56	1.22	10
11	3.38 2.93	0.58 0.88	2.23 3.23	0.28 0.11	2.18 3.51	0.64	0.37 1.17	2.26 3.95	1.80 1.97	3.41 3.79	0.73 1.01	3.35 3.49	11
12	3.12 3.04	0.38 0.69	2.30 3.47	0.54	NR	NR	0.22 0.87	2.17 3.88	1.14 1.49	3.26 3.75	0.67 0.77	3.27	12
13	3.03 3.25	0.55 0.60	0.17 0.87	2.47 3.74	NR	NR	-0.16 0.66	1.98 2.99	1.13 1.64	3.86 3.68	0.62 0.83	3.31 3.38	13
14	2.97 3.43	0.65 3.43	0.32 1.10	2.60 3.93	NR	NR	-0.17 0.72	2.14 2.87	1.28 1.82	3.80 3.35	0.76 0.57	3.26 3.06	14
15	0.51 0.69	2.84 3.43	0.55 1.41	2.82 3.95	NR	NR	-0.18 0.67	2.28 2.88	1.43 1.43	3.42 2.84	0.92 0.80	3.46 3.07	15
16	0.35 0.81	2.74 3.62	0.49 1.47	2.70 3.79	NR	NR	-0.20 0.60	2.42 2.35	1.11 0.88	3.56 2.12	1.53 0.87	3.98 2.80	16
17	0.38 0.98	2.74 3.47	0.42 1.42	2.65 3.45	NR	NR	-0.28 0.32	2.38 1.75	0.52 0.51	3.14 1.83	1.07 0.59	3.49 2.61	17
18	0.34 1.13	2.70 3.74	0.26 1.58	2.73 3.38	NR	NR	-0.41 0.15	2.24 1.50	0.55 0.09	3.13 1.83	1.27 0.45	3.64 2.44	18
19	0.47 1.50	2.91 3.85	0.21 1.36	2.53 2.73	NR	NR	-0.28 -0.17	2.37 1.92	0.82 0.19	3.43	1.37 0.62	3.69 2.61	19
20	0.63 1.69	2.97 3.65	0.04 1.47	2.61 2.76	NR	NR	-0.18 -0.14	2.60	2.22 3.48	1.32 -0.24	1.56 0.14	3.43	20
21	0.38 1.47	2.61 3.14	0.57 2.27	3.86 3.77	NR	NR	1.30 3.03	0.42 -0.18	1.92 3.07	0.99 -0.52	2.53 2.40	1.49 0.94	21
22	0.24 1.68	2.80 3.19	0.05 1.01	3.64	NR	NR	1.46 3.19	0.72 -0.28	1.87 3.21	0.62 -0.56	3.54 2.93	1.98 0.88	22
23	0.67 1.36	2.86 2.82	1.93 2.81	0.38 0.65	NR	NR	1.88 3.48	0.86 -0.19	2.10 3.28	0.41	3.42 3.86	1.90 1.14	23
24	0.26 1.07	2.90	1.80 2.93	0.47 0.74	NR	NR	1.89 3.63	0.93 -0.11	-0.49 0.33	2.34 3.38	3.51 3.96	1.72 1.76	24
25	2.57 2.97	0.43 0.98	2.36 3.31	0.98 0.42	NR	NR	2.13 3.82	0.95	-0.19 0.46	2.72 3.48	4.33 4.27	2.42	25
26	2.75 3.25	0.64 0.85	2.20 3.57	1.07 0.60	NR	NR	0.10 1.06	2.39 3.84	0.10 0.31	2.96 3.20	1.53 1.72	3.82 3.98	26
27	2.78 3.37	0.70 0.75	2.43 3.74	1.30	NR	NR	0.08 0.58	2.32 3.48	-0.05 0.05	2.93 2.92	2.21 2.88	3.72	27
28	3.21 4.36	1.47 1.27	0.67 1.53	2.57 3.98	NR	NR	0.00 0.59	2.42 3.60	-8.02 0.05	3.15 2.77	1.77 1.27	3.95 3.23	28
29	2.93 3.60	0.99	0.73 1.54	2.63 3.97	NR	NR	0.05 0.43	2.57 3.42			1.44 1.11	4.22 3.31	29
30	0.58 1.80	2.72 3.48	0.74 1.75	2.76 4.19	NR	NR	0.01 0.53	2.80 3.07			1.45 0.53	4.22 3.30	30
31	0.48 1.12	2.40 3.75			NR	NR	0.17 0.85	3.17 3.36			1.63 0.71	4.26 3.82	31
MAXIMUM	4.36		4.19		NR		NR		4.72		4.33		MAXIMUM
MINIMUM	0.24		-0.04		NR		NR		-0.56		-0.09		MINIMUM

NR = NO RECORD

LOCATION: LAT. 38 13 33, LONG. 121 29 24, 1/4 SEC. 1, T4N, R4E,
SOUTH OF WALNUT GROVE-THORNTON HIGHWAY BRIDGE, 3.8 MILES
WEST OF THORNTON. AT TIMES, TIDAL FLUCTUATION IS
INFLUENCED BY OPERATION OF THE DELTA CROSS CHANNEL GATES.

PERIOD OF RECORD: AUG 1920 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

894150 MCKELMERE RIVER, SOUTH FORK, AT NEW HOPE BRIDGE
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
1	1.47 0.25	3.59 2.47	2.01 0.88	3.48 3.05	2.22 1.17	3.10	0.70 0.30	1.73 3.30	0.34 1.17	1.90 3.70	3.72 2.44	0.37 1.21	1
2	1.24 0.04	3.16 0.12	1.69 0.72	2.99 0.98	3.79 2.71	1.92 1.12	0.43 0.53	1.56	0.24 1.38	2.13 2.57	3.67 2.57	0.31 1.13	2
3	2.53 3.10	1.26 0.12	3.07 2.69	1.63 0.98	3.64 2.28	1.34 1.12	3.36 1.74	0.24 0.93	3.85 2.41	0.21 1.23	3.77 2.77	0.41 1.01	3
4	2.79 2.98	1.44 0.20	3.29 2.33	1.55 0.72	3.76 2.50	1.16 1.66	3.62 1.99	0.19 1.21	4.18 2.83	0.52 1.59	3.77 3.00	0.55 0.99	4
5	3.03 2.98	1.33 0.18	3.08 2.18	1.19 0.87	4.43 3.12	1.59 2.08	3.77 2.16	0.12 1.22	4.30 2.95	0.55 1.50	3.79 3.30	0.74 1.02	5
6	3.00 2.83	0.98 0.31	3.03 2.35	1.05 1.12	4.53 3.29	1.61 2.23	3.98 2.47	0.20 1.55	4.26 2.94	0.57 1.21	3.73 3.67	0.93	6
7	3.06 2.94	0.95 0.52	3.29 2.54	1.02 1.29	4.45 3.23	1.34 2.22	4.21 2.69	0.36 1.51	3.99 2.58	0.14 0.69	1.11 1.05	3.62 3.94	7
8	3.15 2.97	0.73 0.51	3.48 2.73	1.02 1.52	4.60 3.24	1.28 2.26	4.17 2.72	0.24 1.42	3.61 2.82	0.12	1.15 1.20	3.52 4.07	8
9	3.15 2.98	0.50 0.70	3.78 2.84	1.03 1.61	4.51 3.25	1.24 2.29	4.22 2.83	0.39 1.27	0.71 0.31	1.54 3.20	0.98 1.06	3.14 4.11	9
10	3.32 2.95	0.40	3.82 2.83	0.98 1.64	4.62 3.58	1.38	4.06 2.88	0.32	0.78 0.08	1.41 3.51	1.07 1.14	3.19 4.15	10
11	0.76 0.48	3.42 3.33	3.76 2.65	0.81	2.56 1.70	4.95 3.78	1.19 0.26	3.87 3.01	0.96 0.40	3.38 3.84	0.98 1.01	3.06 4.21	11
12	1.93 1.23	3.87 3.13	1.59 0.79	3.74 2.84	2.57 1.29	4.68 3.46	1.10 0.27	3.56 3.19	1.05 0.87	3.02 3.97	1.01 1.77	3.03 4.18	12
13	1.91 1.20	3.87 3.32	1.84 1.05	3.99 3.39	2.15 1.04	4.18 3.78	1.00 0.39	3.31 3.57	0.90 0.91	2.68 3.92	0.96 1.81	3.18 3.98	13
14	2.20 1.34	4.26 3.23	2.58 1.56	4.52 3.44	2.41 1.28	4.23 3.40	1.22 0.78	3.28 3.98	0.70 1.11	2.54 3.95	0.82 1.69	3.04 4.09	14
15	2.04 0.94	3.91 2.89	2.45 1.28	4.17 3.40	2.33 1.26	3.89 4.01	1.04 0.46	2.84 3.59	0.57 1.38	2.60 3.92	3.42 3.92	0.74 1.42	15
16	1.99 1.00	3.80 2.80	2.37 1.31	3.92 3.48	1.77 1.01	3.24 3.99	0.53 0.55	2.14 3.79	4.08 2.72	0.57 1.45	3.59 2.94	0.65 1.18	16
17	2.12 1.05	3.71 3.06	2.29 1.10	3.60 3.37	1.47 1.44	3.03	0.51 1.24	2.45	3.98 2.98	0.51 1.49	3.49 3.13	0.70 1.15	17
18	2.08 0.74	3.35	2.03 1.41	3.38	4.15 2.67	1.12 1.34	4.09 2.57	0.66 1.43	3.87 2.73	0.37 1.17	3.54 3.31	0.91 1.23	18
19	2.81 3.03	1.74 0.44	3.84 3.41	2.08 1.84	4.31 2.70	1.11 1.26	4.11 2.68	0.50 1.51	3.73 2.69	0.35 1.06	3.52 3.28	0.92	19
20	2.75 2.85	1.36 0.54	4.31 2.86	1.68 1.09	4.19 2.77	0.71 1.60	4.16 2.80	0.54 1.54	3.55 2.85	0.34 1.07	0.87 0.72	1.15 3.16	20
21	3.12 3.19	1.30 0.95	3.71 2.83	1.30 1.53	4.35 2.81	0.69 1.54	4.08 2.78	0.44 1.39	3.60 3.10	0.56	0.74 0.82	1.10 3.24	21
22	3.61 3.28	1.41 1.00	4.05 3.02	1.36 1.69	4.28 2.95	0.59 1.65	4.03 2.83	0.44 1.35	1.23 0.65	3.59 3.04	0.66 0.76	2.88 3.18	22
23	3.54 2.96	0.90 0.93	4.21 3.06	1.31 1.75	4.24 3.05	0.68 1.69	3.97 2.92	0.53	1.06 0.61	3.34 3.12	0.43 0.54	2.45 3.04	23
24	3.71 3.45	0.89 1.57	4.30 3.06	1.12 1.82	4.11 2.80	0.60	1.37 0.52	3.92 2.95	0.96 0.57	3.12 3.09	0.17 0.45	2.26 3.12	24
25	4.18 3.25	1.09 1.46	4.27 3.05	0.93	1.35 0.04	3.66 2.63	1.26 0.41	3.62 3.04	0.86 0.74	2.95 3.31	0.19 0.92	2.26 3.31	25
26	3.99 2.96	0.90 0.96	1.78 0.96	4.26 3.33	1.21 0.67	3.44 2.78	1.20 0.44	3.44 3.24	1.06 1.14	3.07 1.06	0.12 1.25	2.45 3.50	26
27	1.53 0.96	4.67 2.93	2.05 0.89	4.30 3.18	1.33 0.08	3.29 2.84	1.34 0.87	3.36 3.58	1.01 0.83	2.50 3.43	0.48 1.61	2.57 3.49	27
28	1.69 0.05	3.91 2.92	1.92 0.88	3.91 3.10	1.25 -0.04	2.89	1.50 0.85	3.13 3.64	0.61 0.78	2.03 3.33	0.44 1.49	2.60 3.41	28
29	1.81 0.87	3.87 3.03	1.92 0.63	3.67 3.26	1.17 0.13	2.61 3.03	1.27 0.78	2.67 3.48	0.34 1.00	1.87 3.36	0.31 1.30	2.68 3.43	29
30	2.01 0.89	3.78 3.03	2.16 0.62	3.63 3.57	0.96 0.22	2.13 3.20	0.87 0.59	2.01 3.34	0.25 1.41	2.05 3.60	0.42 1.17	2.87	30
31			2.29 0.99	3.39 3.68			0.56 0.77	1.70 3.49	0.28 1.53	2.32			31
MAXIMUM	4.26		4.52		4.95		4.22		4.30		4.21		MAXIMUM
MINIMUM	0.04		0.63		-0.04		0.12		0.68		0.17		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 13.3 - 12-75-55

ZERO OF GAGE: 1920 TO 1940 0.26 USED
1940 0.00 USGGS
1964 -0.62 USGGS
1964 TO DATE 0.00 USGGS

TABLE B-12 (CONTINUED)

DAILY TIDES

894120 LITTLE POTATO SLOUGH AT TERMINOUS
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.74 3.29	0.16	-0.39 0.77	2.44 3.73	-0.26 1.17	2.58 4.07	NR	NR	0.36 0.49	3.60 2.98	0.14 0.09	3.52 2.79	01
02	0.23 0.64	2.46 3.46	-0.28 1.03	2.56 3.77	-0.20 1.31	2.81 3.98	NR	NR	0.67 0.42	3.94 2.48	0.28 -0.27	3.43 2.18	02
03	0.24 0.71	2.91 3.56	-0.37 0.93	2.46 3.58	-0.07 1.29	3.00 3.96	-0.91 -0.33	2.48 1.79	0.47 0.11	3.76 -0.48	0.07 -0.48	3.16 2.10	03
04	0.00 0.74	2.71 3.64	-0.51 0.92	2.39 3.43	0.38 1.49	3.44 3.66	-0.85 -0.42	2.83 1.50	2.58 4.11	1.39 0.12	0.69 -0.18	3.51 2.79	04
05	-0.05 0.88	2.59 3.66	-0.50 0.92	2.52 3.21	-0.06 0.72	3.06 2.60	-0.68 -0.66	2.86 3.44	2.27 3.58	0.89 -0.33	2.46 3.60	1.12 -0.16	05
06	-0.18 0.99	2.44 3.56	-0.59 0.72	2.54 2.76	-0.51 0.21	2.90 2.03	1.44 3.44	-0.16 -0.32	2.10 3.40	0.82 -0.38	2.60 3.57	1.38 -0.21	06
07	-0.33 1.31	2.49 3.81	-0.66 0.73	2.84 2.81	-0.46 -0.08	3.04 3.61	1.96 3.61	0.46 -0.38	2.39 3.67	1.03 -0.17	2.61 3.96	1.29 0.49	07
08	-0.06 1.35	2.69 3.54	-0.51 0.08	2.69 2.86	1.98 2.98	-0.20 -0.49	2.33 4.17	1.22 0.10	2.63 3.74	1.07 0.13	3.13 3.59	1.27 0.17	08
09	-0.22 1.14	2.74 3.40	2.30 2.86	-0.51 -0.23	1.80 3.26	-0.47	2.45 3.49	0.77 -0.63	3.22 4.12	1.33 0.84	2.93 3.51	0.99 0.12	09
10	-0.29 0.74	2.79 3.40	2.12 2.94	-0.38 -0.47	2.04 3.51	0.39 -0.43	2.04 3.40	0.62	3.53 3.88	1.39	3.06 3.40	0.83 0.29	10
11	3.19 2.78	-0.26 0.28	2.06 3.07	-0.21 -0.52	2.14 3.24	0.61	-0.73 0.47	1.95 3.33	0.36 0.97	2.97 3.50	3.18 3.36	0.74 0.35	11
12	2.96 2.83	-0.37 0.01	2.13 3.32	0.05 -0.52	-0.74 0.63	1.84 3.65	-0.77 0.23	1.91 2.86	0.18 0.88	2.99 3.53	3.10 3.13	0.53	12
13	2.82 3.06	-0.17 0.13	2.30 3.59	0.39	-0.58 1.11	2.23 4.37	-1.08 0.08	1.74 2.80	0.52 1.25	3.60 3.50	0.34 0.63	3.18 3.24	13
14	2.77 3.22	-0.01 -0.21	-0.38 0.64	2.44 3.78	0.09 0.95	2.64 3.92	-0.96 0.22	1.95 2.69	0.72 1.04	3.53 3.01	0.52 0.26	3.13 2.44	14
15	2.65 3.24	0.05	-0.16 0.95	2.63 3.80	-0.29 0.76	2.41 3.81	-0.91 0.20	2.12 2.52	0.47 0.66	3.12 2.55	0.50 0.22	3.23 2.85	15
16	-0.39 0.23	2.54 3.44	-0.31 0.99	2.51 3.64	-0.56 0.56	2.28 3.63	-0.85 0.15	2.25 2.18	0.50 0.53	3.36 1.91	1.18 0.42	3.79 2.60	16
17	-0.37 0.43	2.54 3.50	-0.39 0.92	2.46 3.27	-0.63 -0.02	1.97 2.89	-0.90 -0.14	2.14 1.61	0.29 0.28	3.01 1.65	0.72 -0.01	3.28 2.38	17
18	-0.42 0.63	2.50 3.58	-0.58 1.12	2.53 3.13	-0.93 0.21	2.29 2.96	-0.97 -0.33	2.14 1.33	0.40 -0.11	2.99 1.48	0.94 0.62	3.42 2.25	18
19	-0.26 1.04	2.75 3.71	-0.59 0.89	2.34 2.54	NR	NR	-0.77 -0.67	2.23 0.86	0.73 -0.07	3.29 -0.07	1.14 0.23	3.53 2.46	19
20	-0.07 1.28	2.79 3.50	-0.78 0.99	2.43 2.57	NR	NR	-0.60 -0.66	2.47 2.07	2.07 3.41	1.26 -0.44	1.39 -0.24	3.30 2.46	20
21	-0.31 1.07	2.50 3.01	-0.21 1.77	3.66 2.53	NR	NR	1.14 2.69	0.09 -0.74	1.81 3.14	0.92 -0.76	2.36 3.21	1.31 0.58	21
22	-0.47 1.28	2.64 3.02	-0.12 0.30	2.85 1.62	NR	NR	1.30 3.06	0.40 -0.92	1.70 3.10	0.53 -0.83	3.38 3.76	1.74 0.31	22
23	-0.24 0.89	2.68 2.44	-0.43 -0.21	2.59	NR	NR	1.44 3.34	0.56 -0.82	1.97 3.19	0.28 -0.73	3.13 3.55	1.25 0.13	23
24	-0.46 0.54	2.61	1.45 2.67	-0.35 -0.12	NR	NR	1.75 3.51	0.60 -0.75	2.23 3.35	0.19 -0.41	NR	NR	24
25	2.39 2.80	-0.23 0.45	2.04 3.10	0.21 -0.33	NR	NR	1.99 3.68	0.60 -0.56	2.64 3.47	0.32	NR	NR	25
26	2.59 3.09	0.10 0.34	1.89 3.33	0.34 -0.34	NR	NR	2.24 3.78	0.69	-0.09 0.15	2.90 3.17	NR	NR	26
27	2.61 3.20	0.18 0.20	2.12 3.52	0.58 -0.36	NR	NR	-0.55 0.23	2.17 3.55	-0.22 -0.11	2.88 2.88	NR	NR	27
28	3.01 4.21	1.00 0.72	2.28 3.77	0.82	1.	NR	-0.58 0.14	2.26 3.48	-0.19 -0.11	3.13 2.73	NR	NR	28
29	2.77 3.51	0.51 -0.06	-0.35 0.80	2.32 3.76	NR	NR	-0.55 0.00	2.42 3.06	NR	NR	NR	NR	29
30	2.55 3.49	0.53	-0.35 1.03	2.47 3.98	NR	NR	-0.54 0.07	2.74 2.93	NR	NR	NR	NR	30
31	-0.30 0.61	2.40 3.58			NR	NR	-0.37 0.25	2.99 3.18			NR	NR	31
MAXIMUM	4.21		3.98		NR		NR		4.12		NR		MAXIMUM
MINIMUM	-0.47		-0.78		NR		NR		-0.83		NR		MINIMUM

NR = NO RECORD

LOCATION: LAT. 38 05 53, LONG. 121 29 47, NE SEC 14, T3N, R4E,
AT STATE HIGHWAY 12 AT TERMINOUS. STATION DISCONTINUED
AUGUST 4, 1969, AND REACTIVATED MARCH 1, 1972.PERIOD OF RECORD: FEB 1968 TO AUG 1969
MAR 1972 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

R94120 LITTLE POTATO SLough AT TERMINOUS
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	NR	NR	1.15 -0.44	3.12 2.61	1.56 0.24	2.79	0.20 -0.14	1.57 3.14	-0.26 0.86	1.77 3.59	3.56 2.25	-0.42 0.71	01
02	NR	NR	0.98 -0.62	2.53 2.02	3.55 2.37	1.13 0.24	-0.11 0.19	1.44 2.94	-0.40 1.06	1.90 3.73	3.51 2.37	-0.47 0.60	02
03	NR	NR	2.66 2.20	-0.65 -0.26	3.39 1.98	0.48 0.38	3.23 1.56	-0.30 0.65	3.23 2.24	-0.45 1.19	3.60 2.57	-0.37 0.42	03
04	2.61 2.03	1.25 -0.17	2.93 1.77	0.52 -0.61	3.55 2.22	0.28 1.04	3.48 1.86	-0.39 0.96	4.05 2.88	-0.13 1.25	3.59 2.79	-0.25 0.37	04
05	2.07 2.72	1.10 -0.18	2.66 1.80	-0.03 -0.42	4.25 2.96	0.69 1.44	3.66 2.01	-0.49 0.96	4.17 2.76	-0.12 1.07	3.61 3.09	-0.01 0.39	05
06	2.80 2.65	0.66 -0.19	2.56 1.75	-0.28 -0.12	4.32 3.02	0.64 1.52	3.89 2.33	-0.41 1.27	4.12 2.75	-0.14 0.72	3.56 3.47	0.23 0.23	06
07	2.84 2.70	0.47 -0.04	2.85 2.00	-0.36 0.13	4.22 2.90	0.22 1.50	4.09 2.53	-0.25 1.18	3.75 2.41	-0.56 0.16	0.45 0.38	3.44 3.74	07
08	2.93 2.66	0.23 0.05	3.08 2.27	-0.33 0.54	4.39 2.93	0.10 1.51	4.06 2.55	-0.37 1.07	3.45 2.66	-0.57 0.66	0.47 0.56	3.34 3.90	08
09	2.95 2.69	0.05 0.33	3.42 2.40	-0.26 0.63	4.30 2.95	0.03 1.56	4.10 2.67	-0.26 0.89	0.17 -0.34	3.37 3.02	0.29 0.68	2.96 3.95	09
10	3.11 2.75	-0.45 0.62	3.48 2.38	-0.35 0.63	4.42 3.29	0.21 1.84	3.94 2.72	-0.31 0.86	0.22 -0.15	3.24 3.14	0.42 0.84	2.90 4.02	10
11	3.23 2.93	-0.67 0.76	3.40 2.15	-0.42 0.52	4.75 3.49	0.61	0.80 -0.34	3.73 2.84	0.39 0.25	3.19 3.70	0.30 1.13	2.67 4.08	11
12	3.49 2.67	-0.16 0.79	3.38 2.31	-0.69 0.79	1.84 0.17	4.48 3.19	0.68 -0.34	3.41 3.02	0.50 0.39	2.86 3.92	0.32 1.32	2.83 4.02	12
13	3.60 2.88	-0.07 0.86	3.42 2.37	-0.37 0.65	1.43 0.00	3.97 3.50	0.54 -0.21	3.15 3.42	0.32 0.45	2.51 3.79	0.24 1.37	2.91 3.83	13
14	1.26 0.10	3.95 2.44	1.66 0.15	4.17 2.95	1.78 0.38	4.03 3.82	0.73 0.22	3.13 3.72	0.10 0.99	2.36 3.82	0.11 1.11	2.89 4.02	14
15	1.16 -0.42	3.59 2.46	1.45 -0.18	3.78 2.91	1.67 0.45	3.66 3.80	0.46 -0.10	2.46 3.45	-0.04 1.98	2.44 3.44	3.44 2.82	-0.02 0.92	15
16	1.14 -0.35	3.49 2.44	1.38 -0.22	3.51 2.88	1.07 0.23	3.00 3.79	-0.07 0.07	2.21 3.04	3.95 2.57	-0.07 1.05	3.42 2.79	-0.07 0.43	16
17	1.26 -0.29	3.38 2.59	1.21 -0.48	3.11 2.87	0.68 0.73	2.75	-0.13 0.81	2.27 3.83	3.83 2.78	-0.18 1.05	3.31 2.92	0.02 0.58	17
18	1.21 -0.60	2.97 0.62	0.90 0.02	2.90	3.96 2.41	0.25 0.70	3.94 2.37	-0.13 0.98	3.72 2.55	-0.31 0.71	3.74 3.11	0.26 0.66	18
19	2.38 2.66	0.49 -0.47	3.37 2.88	0.86 0.58	4.15 2.45	0.25 0.62	3.99 2.50	-0.22 1.04	3.56 2.52	-0.36 0.59	3.30 3.88	0.27 0.37	19
20	2.36 2.52	0.44 -0.47	3.93 2.19	0.52 -0.33	4.01 2.54	-0.22 1.07	4.02 2.61	-0.2 1.04	3.39 2.86	-0.35 0.56	2.95 2.96	0.08 0.08	20
21	2.75 2.84	0.35 -0.15	3.26 2.26	-0.23 0.21	4.16 2.80	-0.19 1.04	3.94 2.61	-0.24 0.96	3.45 2.92	-0.13 0.71	0.12 0.23	2.90 3.95	21
22	3.23 2.91	0.44 -0.08	3.62 2.48	-0.13 0.50	4.12 2.74	-0.26 1.14	3.90 2.66	-0.27 0.91	3.42 2.85	-0.06 0.86	0.04 0.22	2.67 3.08	22
23	3.19 2.59	-0.19 -0.05	3.84 2.54	-0.10 0.70	4.07 2.86	-0.19 1.22	3.85 2.74	-0.21 0.91	0.50 -0.08	3.15 2.91	-0.21 0.04	2.27 2.85	23
24	3.40 3.05	-0.22 0.65	3.94 2.67	-0.22 0.45	3.96 2.62	-0.20 0.77	3.77 2.77	-0.17 0.91	0.36 -0.11	2.93 2.90	-0.47 0.18	2.08 2.95	24
25	3.89 2.88	-0.03 0.53	4.04 2.71	-0.28 0.68	0.87 -0.75	3.51 2.44	3.79 -0.27	3.48 2.88	0.25 0.16	2.76 3.13	-0.45 0.49	2.09 3.16	25
26	3.66 2.51	-0.43 0.40	4.01 2.99	-0.20 0.68	0.75 -0.71	3.28 2.59	0.84 -0.08	3.35 3.09	0.51 0.68	2.88 3.47	-0.28 0.88	2.30 3.36	26
27	3.70 2.45	-0.48 0.62	1.32 -0.23	4.67 2.87	0.47 -0.69	3.13 2.65	0.88 0.31	3.21 3.42	0.41 0.30	2.30 3.22	-0.10 1.27	2.42 3.45	27
28	0.81 -0.62	3.54 2.45	1.23 -0.41	3.72 2.82	0.80 -0.69	2.74 2.72	1.84 0.33	2.99 3.49	0.01 0.34	1.87 3.16	-0.14 1.11	2.46 3.29	28
29	0.83 -0.55	3.51 2.57	1.21 -0.54	3.44 2.96	0.76 -0.46	2.46 2.86	0.77 0.28	2.48 3.33	-0.32 0.60	1.69 3.19	-0.32 0.92	2.54 3.29	29
30	1.09 -0.51	3.41 2.60	1.52 -0.23	3.40 3.13	0.50 -0.29	1.94 3.04	0.36 0.18	1.86 3.24	-0.46 1.05	1.86 3.45	-0.19 0.75	2.71 3.13	30
31			1.66 0.03	3.13 3.43			-0.04 0.41	1.57 3.37	-0.48 1.11	2.12			31
MAXIMUM	NR		4.17		4.75		4.10		4.17		4.06		MAXIMUM
MINIMUM	NR		-0.69		-0.75		-0.49		-0.57		-0.47		MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 6.04 = 2-15-69

ZERO OF GAGE: 1968 TO 1969 -0.11 USGS
1972 TO DATE 0.00 USGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

894100 GEORGIANA SLOUGH AT MOKELUMNE RIVER
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.92 3.13	0.26	-0.27 0.84	2.34 3.59	-0.13 1.26	2.46 3.97	-0.79 0.31	2.19 2.85	0.55 0.66	3.53 2.97	NR	NR	01
02	0.34 0.67	2.74 3.52	-0.26 1.10	2.44 3.66	-0.06 1.40	2.71 3.90	-0.60 0.15	2.42 2.28	0.75 0.53	3.07 2.39	NR	NR	02
03	0.35 0.80	2.79 3.45	-0.27 1.01	2.34 3.48	0.10 1.44	2.95 3.92	-0.77 -0.24	2.36 1.70	0.57 0.22	3.67	NR	NR	03
04	0.11 0.62	2.60 3.53	-0.46 0.99	2.28 3.31	0.98 1.56	3.31 3.56	-0.72 -0.33	2.73 1.40	2.51 4.02	1.46 0.21	-0.77 0.11	3.40	04
05	0.03 0.94	2.47 3.55	-0.40 0.97	2.41 3.10	0.04 0.80	2.95 2.47	-0.58 -0.54	2.78	2.17 3.50	0.96 -0.24	2.38 3.50	1.19 -0.04	05
06	-0.08 1.05	2.33 3.45	-0.48 0.79	2.42 2.66	-0.41 0.29	2.79 1.92	1.38 3.37	-0.05 -0.27	2.00 3.31	0.88 -0.28	2.52 3.57	1.46 -0.07	06
07	-0.25 1.35	2.38 3.67	-0.56 0.80	2.73 2.69	-0.38 0.01	2.93	1.87 3.51	0.55 -0.26	2.28 3.58	1.13 -0.07	2.58 3.89	1.45 0.61	07
08	-0.01 1.36	2.58 3.41	-0.43 0.15	2.57	1.87 2.88	-0.11 -0.37	2.22 4.07	1.25 0.16	2.53 3.66	1.16 0.24	3.04 3.47	1.76 0.26	08
09	-0.14 1.18	2.61 3.27	2.19 2.74	-0.43 -0.13	1.69 3.16	0.13 -0.37	2.34 3.36	0.88 -0.48	3.13 4.04	1.41 0.92	2.89 3.38	1.60 0.23	09
10	-0.18 0.62	2.68	2.02 2.82	-0.28 -0.37	1.93 3.40	0.47 -0.31	1.96 3.29	0.72 -0.60	3.42 3.76	1.49	2.95 3.27	0.93 0.40	10
11	3.11 2.66	-0.15 0.38	1.96 2.95	-0.13 -0.42	2.04 3.47	0.69 -0.38	1.84 3.22	0.57	0.49 1.06	2.85 1.37	3.07 3.22	0.81 0.46	11
12	2.82 2.71	-0.26 0.09	2.02 3.20	-0.14 -0.42	2.07 3.54	0.80	-0.64 0.32	1.86 2.76	0.30 0.98	2.86 3.41	2.99 3.02	0.61	12
13	2.70 2.94	-0.07 -0.01	2.19 3.47	0.49	-0.32 0.75	2.11 3.28	-0.95 0.17	0.69 2.69	0.33 1.33	3.55 3.37	NR	NR	13
14	2.65 3.13	0.09 -0.11	-0.27 0.74	2.33 3.67	-0.66 0.63	1.93 3.17	-0.84 0.30	1.84 2.58	0.77 1.06	1.37 2.88	NR	NR	14
15	2.53 3.12	0.15	-0.04 1.02	2.53 3.69	-0.88 0.61	1.92 2.94	-0.79 0.29	2.03 2.43	0.52 0.73	2.98 2.44	NR	NR	15
16	-0.27 0.31	2.42 3.32	-0.18 1.06	2.40 3.53	-0.82 0.62	1.86 2.76	-0.73 0.23	2.15 2.17	0.57 0.55	1.21 0.55	NR	NR	16
17	-0.25 0.50	2.43 3.38	-0.28 0.98	2.35 3.17	-0.70 0.67	2.08 2.75	-0.78 -0.68	2.04 1.54	0.30 0.29	2.87 1.56	NR	NR	17
18	-0.30 0.71	2.39 3.47	-0.46 1.17	2.43 3.06	-0.64 0.70	2.26 2.22	-0.87 -0.24	2.04 1.26	0.41 -0.05	2.89 1.39	NR	NR	18
19	-0.15 1.13	2.63 3.60	-0.49 0.94	2.24 2.45	-0.82 0.47	2.18 1.72	-0.68 -0.59	2.13 0.78	NR	NR	NR	NR	19
20	0.04 1.35	2.67 3.40	-0.68 1.04	2.32 2.46	-0.89 0.15	2.13 1.21	-0.53 -0.58	2.37 1.06	NR	NR	NR	NR	20
21	-0.22 1.12	2.19 2.90	-0.68 1.80	3.56 2.41	-0.88 0.15	2.36 1.19	0.15 -0.67	2.81	NR	NR	NR	NR	21
22	-0.38 1.32	2.54 2.49	-0.04 0.37	2.74 1.53	-0.51 -0.40	2.37 0.88	1.22 2.97	0.44 -0.82	NR	NR	NR	NR	22
23	-0.15 0.92	2.57 2.34	-0.35 -0.12	2.47	-0.35 -0.78	2.37	1.35 3.25	0.63 -0.71	NR	NR	NR	NR	23
24	-0.37 0.60	2.50	1.37 2.55	-0.29 -0.05	0.90 2.72	-0.09 -0.82	1.65 3.41	0.69 -0.62	NR	NR	NR	NR	24
25	2.30 2.68	-0.13 0.52	1.94 2.99	0.29 -0.24	1.26 3.15	0.29 -0.64	1.88 3.59	0.70 -0.44	NR	NR	NR	NR	25
26	2.37 2.96	0.16 0.41	1.79 3.23	0.41 -0.23	1.75 3.56	0.72 -0.44	2.16 3.66	0.77	NR	NR	NR	NR	26
27	2.51 3.09	0.27 0.31	2.03 3.41	0.64 -0.27	2.16 4.36	1.27 0.28	-0.44 0.28	2.04 3.36	NR	NR	NR	NR	27
28	2.89 4.07	1.07 0.42	2.17 3.67	0.91	2.55 3.78	1.01	-0.48 0.27	2.17 3.33	NR	NR	NR	NR	28
29	2.68 3.40	0.59 0.06	-0.22 0.88	2.21 3.65	-0.22 0.86	2.25 3.71	-0.42 0.09	2.31 2.95	NR	NR	NR	NR	29
30	2.45 3.37	0.62	-0.22 1.13	2.36 3.87	-0.41 0.94	2.18 3.49	-0.42 0.14	2.63 2.83	NR	NR	NR	NR	30
31	-0.19 0.69	2.31 3.47			-0.57 0.06	1.83 2.75	-0.23 0.50	2.94 3.10	NR	NR	NR	NR	31
MAXIMUM	4.77		3.87		4.36		4.07		NR		NR		MAXIMUM
MINIMUM	-0.39		-0.68		-0.89		-0.95		NR		NR		MINIMUM

NR = NO RECORD

LOCATION: LAT. 38 07 48, LONG. 121 34 46, NW SEC. 7, T3N, R4E,
ON ANDRUS ISLAND, 2.8 MILES SOUTHEAST OF ISLETON.
DISCONTINUED OCTOBER 1966 AND REACTIVATED JULY 1972.PERIOD OF RECORD: JUNE 1929 TO OCT 1966
JULY 1972 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIDES

894100 GEORGIANA SLOUGH AT MOKELEHNE RIVER
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	NR	NR	1.21 -0.40	3.01 2.51	1.55 0.21	2.64 3.30	0.26 -0.11	1.47 3.05	-0.16 0.92	1.67 3.51	3.42 2.10	-0.29 0.63	01
02	NR	NR	1.06 -0.57	2.46 2.11	1.12 0.29	2.24 0.87	-0.03 0.22	1.27 3.15	-0.29 1.13	1.89 2.45	3.26 2.23	-0.34 0.73	02
03	1.11 -0.22	2.79	2.53 2.11	0.74 0.27	3.29 1.87	0.54 0.43	-0.24 0.67	1.44 0.87	3.05 2.15	-0.35 1.26	3.45 2.46	-0.25 0.52	03
04	2.53 2.71	1.31 -0.07	2.80 1.69	0.58 0.55	3.43 2.13	0.36 1.05	3.37 1.75	-0.31 0.97	3.97 2.56	-0.03 1.31	3.40 2.68	-0.12 0.46	04
05	2.77 2.62	1.10 -0.09	2.53 1.50	0.04 -0.34	4.13 2.60	0.76 1.46	3.56 1.89	-0.38 1.02	4.00 2.64	-0.02 1.17	3.50 2.95	0.11 0.46	05
06	2.71 2.54	0.73 -0.11	2.46 1.65	-0.19 -0.06	4.19 2.85	0.68 1.50	3.77 2.20	-0.31 1.30	4.03 2.61	-0.07 0.83	3.43 3.31	0.32 0.31	06
07	2.73 2.60	0.55 0.08	2.74 1.89	-0.25 0.23	4.10 2.77	0.32 1.56	3.98 2.40	-0.18 1.23	3.64 2.31	-0.44 0.29	0.55 0.46	3.32 3.62	07
08	2.83 2.55	0.34 0.14	2.97 2.14	-0.23 0.53	4.28 2.80	0.19 1.57	3.97 2.41	-0.27 1.14	3.35 2.45	-0.44 0.57	0.57 0.86	3.21 3.80	08
09	2.82 2.55	0.14 0.43	3.30 2.26	-0.15 0.60	4.18 2.82	0.14 1.60	4.01 2.55	-0.15 0.98	0.29 -0.20	3.20 2.84	0.43 0.56	2.05 3.82	09
10	3.01 2.62	0.05 0.51	3.35 2.23	-0.29 0.67	4.29 3.16	0.32 1.91	3.84 2.60	-0.20 0.97	0.33 -0.02	3.12 3.15	0.53 0.90	2.86 3.70	10
11	3.13 2.66	0.01 0.85	3.29 2.03	-0.51 0.60	4.60 3.33	0.63 0.33	0.89 -0.25	3.63 2.73	0.50 0.34	3.07 3.58	0.38 1.19	3.70 3.96	11
12	3.37 2.54	-0.05 0.87	3.27 2.21	-0.55 0.95	1.89 0.28	4.33 3.06	0.77 -0.27	3.30 2.92	0.57 0.42	2.74 3.69	0.40 1.36	2.72 3.92	12
13	3.49 2.75	0.02	3.54 2.74	-0.29	1.51 0.08	3.80 3.33	0.63 -0.12	3.04 3.37	0.39 0.49	2.41 3.67	0.31 1.38	2.61	13
14	1.32 0.18	3.83 2.74	1.71 0.13	4.65 2.80	1.81 0.41	3.89 3.67	0.82 0.25	3.01 3.81	0.19 0.76	2.21 3.69	3.53 2.75	0.17 1.17	14
15	1.25 -0.24	3.51 2.37	1.49 -0.13	3.65 2.78	1.88 0.45	3.52 3.68	0.52 -0.02	2.36 3.33	0.05 1.07	2.30 3.52	3.52 2.71	0.06 0.96	15
16	1.22 -0.26	3.39 2.36	1.41 -0.16	3.38 2.85	1.14 0.23	2.86 3.69	0.02 0.13	1.91 3.55	3.80 2.39	0.03 1.10	3.32 2.68	0.04 0.71	16
17	1.33 -0.24	3.27 2.50	1.29 -0.37	3.02 2.76	0.74 0.74	2.59	-0.03 0.83	2.14 2.55	3.68 2.55	-0.06 1.11	3.20 2.80	0.11 0.66	17
18	1.29 -0.54	2.88 2.28	0.99 0.03	2.78	3.85 2.31	0.35 0.73	3.84 2.24	-0.03 1.03	3.54 2.39	-0.18 0.81	3.24 2.96	0.32 0.69	18
19	0.96 -0.77	2.56 2.74	3.26 0.54	0.90 2.34	4.04 2.34	0.33 0.68	3.89 2.36	-0.12 1.15	3.39 2.17	-0.23 0.68	3.17 2.94	0.34 0.47	19
20	2.24 -0.42	0.52 -0.57	3.78 2.03	0.52 -0.21	3.90 2.39	-0.09 1.09	3.91 2.47	-0.13 1.16	3.28 2.53	-0.25 0.68	2.86 2.85	0.18 0.24	20
21	2.65 2.71	0.44 -0.07	3.14 2.12	-0.11 0.33	4.08 2.46	-0.08 1.12	3.85 2.49	-0.13 1.04	3.34 2.80	-0.02 0.79	2.80 2.94	0.33	21
22	3.13 2.78	0.44 0.05	3.51 2.36	0.60 0.58	4.02 2.80	-0.15 1.23	3.80 2.54	-0.14 0.99	3.32 2.74	0.06	0.14 0.29	2.56 2.89	22
23	3.10 2.47	-0.06 0.06	3.72 2.48	0.63 0.79	3.96 2.71	-0.11 1.28	3.73 2.62	0.08 1.00	0.60 0.03	3.06 2.80	-0.09 0.13	2.17 2.75	23
24	3.29 2.90	-0.08 0.74	3.86 2.55	-0.09 1.03	3.85 2.50	-0.11 0.94	3.67 2.66	-0.05 0.00	0.46 0.00	2.83 2.78	-0.37 0.25	1.98 2.85	24
25	3.78 2.78	0.08 0.64	3.91 2.59	-0.18 1.07	3.39 2.31	-0.63	0.86 -0.15	3.38 2.77	0.34 0.25	2.85 2.99	-0.36 0.57	1.98 3.07	25
26	3.54 2.38	-0.33 0.58	3.90 2.84	-0.10	0.83 -0.60	3.17 2.47	0.93 0.02	3.25 2.97	0.57 0.60	2.72 3.32	-0.18 0.96	2.20 3.27	26
27	3.57 2.32	-0.36	1.41 -0.13	3.98 2.76	0.93 -0.57	3.01 2.52	0.95 0.37	3.11 3.32	0.49 0.38	2.19 3.39	-0.02 1.28	2.32 3.33	27
28	0.71 -0.51	3.42 2.33	1.30 -0.34	3.60 2.70	0.84 -0.59	2.62 2.81	1.11 0.39	2.88 3.38	0.08 0.41	1.76 3.02	-0.07 1.18	2.35 3.15	28
29	0.91 -0.44	3.40 2.45	1.28 -0.43	3.31 2.84	0.81 -0.42	2.35 2.74	0.85 0.32	2.39 3.24	-0.23 0.65	1.58 3.10	-0.21 0.98	2.43 3.19	29
30	1.16 -0.39	3.30 2.50	1.59 -0.14	3.30	0.56 -0.27	1.83 2.94	0.42 0.24	1.77 3.15	-0.36 1.09	1.73 3.33	-0.12 0.81	2.60	30
31			1.72 0.04	3.02 3.28			0.03 0.48	1.48 3.27	-0.36 1.19	2.00			31
MAXIMUM	NR		4.05		4.60		4.01		4.08		3.96		MAXIMUM
MINIMUM	NR		-0.57		-0.63		-0.38		-0.44		-0.37		MINIMUM

NR - NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 7.1 - 12-16-55

ZERO OF GAGE: 1925 TO 1940 0.00 USED
1940 0.00 USGS
1964 -0.71 USGS
1964 TO 1966 0.00 USGS
1972 TO DATE 0.00 USGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

#05100 SAN JOAQUIN RIVER AT SAN ANDREAS LANDING
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.73 3.24	0.42 0.39	NR	NR	NR	NR	-0.76 0.46	2.28 2.94	NR	NR	0.35 0.33	3.59 2.78	01
02	2.87 3.60	0.84	NR	NR	NR	NR	NR	NR	NR	NR	0.54 -0.03	3.45 2.17	02
03	0.49 0.97	2.92 3.56	NR	NR	0.00 1.60	3.09 4.01	NR	NR	NR	NR	0.35 -0.28	3.18 2.09	03
04	0.22 0.99	2.73 3.65	NR	NR	0.60 1.74	3.44 3.69	NR	NR	2.62 4.14	1.64 0.32	0.95 -0.03	3.50 2.49	04
05	0.15 1.16	2.61 3.67	NR	NR	0.15 0.97	3.88 2.60	NR	NR	2.27 3.59	1.14 -0.18	1.38 0.05	3.61	05
06	0.05 1.28	2.48 3.59	NR	NR	-0.31 0.46	2.90 2.04	NR	NR	2.10 3.42	1.07 -0.17	2.63 3.61	1.65 -0.11	06
07	-0.11 1.56	2.53 3.81	NR	NR	-0.24 0.17	3.05	NR	NR	2.38 3.68	1.31 0.05	2.49 3.81	1.40 0.56	07
08	NR	NR	NR	NR	1.98 3.02	0.04 -0.26	NR	NR	2.63 3.75	1.35 0.32	2.99 3.39	1.36 0.16	08
09	NR	NR	NR	NR	1.81 3.28	0.31 -0.25	NR	NR	3.22 4.11	1.58 1.02	2.71 3.25	0.92 0.08	09
10	NR	NR	NR	NR	2.06 3.54	0.66 -0.20	NR	NR	3.52 3.85	1.61 0.45	2.85 3.17	0.84 0.27	10
11	NR	NR	NR	NR	2.15 3.60	0.88 -0.27	NR	NR	2.95 3.47	1.10	2.97 3.11	0.73 0.32	11
12	NR	NR	NR	NR	2.19 3.66	1.01 -0.19	NR	NR	0.26 1.04	2.95 3.50	2.84 2.90	0.51 0.28	12
13	NR	NR	NR	NR	2.24 3.62	0.96	NR	NR	0.68 1.42	3.63 3.46	2.96 3.05	0.52 0.48	13
14	NR	NR	NR	NR	-0.55 0.81	2.05 3.31	NR	NR	0.80 1.08	3.46 2.95	2.89 2.63	0.20	14
15	NR	NR	NR	NR	-0.57 0.82	2.04 3.08	NR	NR	0.50 0.74	3.10 2.53	0.44 0.12	2.98 2.60	15
16	NR	NR	NR	NR	-0.71 0.78	2.00 2.86	NR	NR	0.56 0.62	3.30 1.89	3.57 2.37	0.28	16
17	NR	NR	NR	NR	-0.63 0.85	2.18 2.85	NR	NR	0.41 0.38	2.96 1.66	0.70 -0.08	3.05 2.17	17
18	NR	NR	NR	NR	-0.55 0.89	2.35 2.35	NR	NR	0.56 0.05	2.98 1.50	0.94 -0.06	3.22 2.05	18
19	NR	NR	NR	NR	-0.73 0.90	2.28 1.83	NR	NR	0.93 0.08	3.32	1.17 0.14	3.33 2.24	19
20	NR	NR	NR	NR	-0.76 0.33	2.22 1.33	NR	NR	2.09 3.42	1.44 -0.29	1.36 -0.31	3.09	20
21	NR	NR	NR	NR	-0.67 0.34	2.45 1.32	NR	NR	1.78 3.12	1.11 -0.63	2.17 3.07	1.32 0.40	21
22	NR	NR	NR	NR	-0.38 -0.24	2.51 1.01	NR	NR	1.68 3.10	0.75 -0.67	NR	NR	22
23	NR	NR	NR	NR	-0.16 -0.64	2.52	NR	NR	1.95 3.18	0.51 -0.56	NR	NR	23
24	NR	NR	NR	NR	1.04 2.82	0.12 -0.70	NR	NR	2.21 3.34	0.42 -0.22	NR	NR	24
25	NR	NR	NR	NR	1.38 1.25	0.48 -0.53	NR	NR	2.62 3.46	0.55 0.10	NR	NR	25
26	NR	NR	NR	NR	1.87 3.05	0.95 -0.39	NR	NR	2.88 3.16	0.36	NR	NR	26
27	NR	NR	NR	NR	2.26 4.45	1.45 0.36	NR	NR	-0.02 0.11	2.87 2.87	NR	NR	27
28	NR	NR	NR	NR	2.65 3.88	1.22 -0.12	NR	NR	0.05 0.11	3.13 2.72	NR	NR	28
29	NR	NR	NR	NR	2.37 3.40	1.00	NR	NR			NR	NR	29
30	NR	NR	NR	NR	-0.39 0.78	2.27 3.59	NR	NR			NR	NR	30
31	NR	NR			-0.50 0.20	1.95 2.45	NR	NR			NR	NR	31
MAXIMUM	NR		NR		NR		NR		NR		NR		MAXIMUM
MINIMUM	NR		NR		NR		NR		NR		NR		MINIMUM

NR = NO RECORD

LOCATION: LAT. 38 06 12, LONG., 121 55 26, SE SEC 13, T3N, R3E,
APPROXIMATELY 1.2 MILES BELOW MOKELUMNE RIVER.

PERIOD OF RECORD: MAY 1952 TO DATE

TABLE A-12 (CONTINUED)

DAILY TIDES

R95100 SAN JOAQUIN RIVER AT SAN ANDREAS LANDING
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	NR	NR	1.37 -0.38	3.12 2.62	1.72 0.34	2.77 3.48	0.45 1.15	1.60 3.15	-0.01 1.15	1.82 3.62	-0.24 0.99	2.25	01
02	NR	NR	1.20 -0.54	2.55 2.62	1.29 0.40	2.34 1.37	0.15 0.42	1.41 3.26	-0.16 1.37	2.02 3.50	3.50 2.37	-0.26 0.87	02
03	NR	NR	0.88 -0.24	2.21	3.39 1.99	0.67 0.59	-0.08 0.88	1.57	3.76 2.27	-0.23 1.50	3.68 2.56	-0.18 0.66	03
04	NR	NR	2.90 1.80	0.69 -0.51	3.54 2.25	0.48 1.22	3.53 1.87	-0.17 1.19	4.08 2.68	0.08 1.47	3.57 2.77	-0.06 0.57	04
05	NR	NR	2.62 1.60	0.12 -0.29	4.24 2.84	0.86 1.62	3.66 2.01	-0.30 1.20	4.18 2.74	0.67 1.36	3.58 3.07	0.19 0.58	05
06	NR	NR	2.56 1.74	-0.14 0.00	4.20 2.99	0.75 1.72	3.90 2.31	-0.21 1.54	4.13 2.74	0.62 1.01	3.52 3.41	0.41 0.65	06
07	NR	NR	2.83 1.98	-0.22 0.30	4.20 2.99	0.35 1.71	4.10 2.51	-0.07 1.45	3.75 2.40	-0.37 0.43	3.42 3.70	0.57	07
08	NR	NR	3.06 2.24	-0.20 0.63	4.36 2.92	0.22 1.72	4.06 2.51	-0.17 1.36	3.44 2.67	-0.35 0.42	0.66 0.75	3.32 3.87	08
09	NR	NR	3.38 2.36	-0.15 0.77	4.28 2.93	0.15 1.77	4.10 2.64	-0.07 1.17	3.36 3.00	-0.12 0.47	0.51 0.71	2.95 3.90	09
10	NR	NR	3.43 2.31	-0.28 0.78	4.39 3.25	0.33 2.06	3.93 2.68	-0.10 1.08	0.46 0.08	3.23 3.29	0.60 1.08	3.00 3.99	10
11	NR	NR	3.39 2.13	-0.52 0.70	4.69 3.44	0.67 2.04	3.72 2.82	-0.14	0.63 0.47	3.18 1.66	0.68 1.37	2.84 4.05	11
12	NR	NR	3.36 2.31	-0.58 1.08	4.44 3.17	0.30	0.95 -0.16	3.39 3.02	0.72 0.58	2.84 3.77	0.52 1.55	2.83 4.01	12
13	NR	NR	3.63 2.90	-0.31 1.85	1.65 3.43	3.95	0.80 -0.01	3.14 3.39	0.53 0.67	2.51 3.76	0.42 1.57	2.94 3.88	13
14	NR	NR	4.14 2.92	0.11	1.97 0.47	3.98 3.76	0.97 0.37	3.12 3.64	0.32 0.95	2.37 3.83	0.27 1.33	2.85	14
15	NR	NR	1.59 -0.15	3.74 2.94	1.83 0.53	3.61 3.78	0.66 0.11	2.44 3.42	0.17 1.28	2.46 3.95	3.62 2.80	0.05 1.11	15
16	NR	NR	1.54 -0.21	3.48 2.97	1.27 0.35	3.01 3.78	0.14 0.29	2.01 3.63	0.14 1.31	2.55 3.42	0.12 2.76	0.45	16
17	NR	NR	1.39 -0.40	3.13 2.84	0.88 0.87	2.77 3.95	0.09 1.01	2.25 3.94	2.84 2.76	0.03 1.28	3.29 2.90	0.20 0.40	17
18	NR	NR	1.08 0.03	2.88 3.38	0.43 0.40	2.41	0.07 1.21	2.34	3.72 2.55	-0.11 0.94	3.31 3.07	0.43 0.83	18
19	NR	NR	1.00 0.56	2.96 2.43	4.12 2.43	0.41 0.84	3.99 2.47	-0.04 1.35	3.55 2.52	-0.16 0.53	3.26 3.05	0.43 0.88	19
20	NR	NR	3.86 2.13	0.61 -0.20	3.98 2.50	-0.02 1.30	4.00 2.57	-0.04 1.35	3.37 2.62	-0.15 0.82	2.94 2.97	0.29 0.34	20
21	NR	NR	3.20 2.22	-0.11 0.34	4.15 2.56	-0.01 1.31	3.94 2.50	-0.04 1.24	3.43 2.89	0.08 0.95	2.88 3.03	0.45 0.26	21
22	NR	NR	3.59 2.45	-0.04 0.63	4.10 2.69	-0.08 1.43	3.89 2.64	-0.06 1.14	3.41 2.83	0.16 0.74	2.65 2.99	0.43	22
23	NR	NR	3.81 2.57	-0.01 0.66	4.06 2.80	-0.04 1.46	3.83 2.72	-0.01 1.19	3.16 2.90	0.13 0.13	0.21 0.27	2.26 2.83	23
24	NR	NR	3.94 2.64	-0.10 1.16	3.94 2.59	-0.05 1.12	3.76 2.75	0.04 1.08	0.50 0.12	2.94 2.88	-0.25 0.42	2.07 2.93	24
25	NR	NR	4.02 2.68	-0.17 1.21	3.49 2.38	-0.56 1.03	3.49 2.86	-0.04	0.47 0.37	2.76 3.13	-0.23 0.76	2.88 3.15	25
26	NR	NR	3.98 2.96	-0.86 1.45	3.27 2.56	-0.52	1.10 0.14	3.35 3.07	0.88 0.75	2.92 3.45	-0.05 1.16	2.29 3.37	26
27	NR	NR	4.05 2.86	-0.69	1.13 -0.48	3.13 2.62	1.14 0.53	3.22 3.41	0.63 0.52	2.31 3.22	0.13 1.50	2.42 3.43	27
28	NR	NR	1.46 -0.27	3.70 2.80	1.03 -0.49	2.73 2.75	1.29 0.56	3.01 3.46	0.20 0.59	1.89 3.14	0.65 1.33	2.45 3.28	28
29	NR	NR	1.45 -0.38	3.43 2.94	-0.01 -0.28	2.45 2.85	1.83 0.48	2.50 1.34	-0.10 0.85	1.72 3.24	-0.11 1.19	2.52 3.29	29
30	1.31 -0.39	3.42 2.80	1.78 -0.67	3.42 1.31	0.76 -0.10	1.94 3.05	0.59 0.43	1.89 3.24	-0.24 1.31	1.87 3.48	0.60 0.98	2.49	30
31			1.90 0.15	3.14 3.38			0.21 0.71	1.62 3.38	-0.32 1.38	2.14 1.59			31
MAXIMUM	NR			4.14		4.69		4.13		4.18		4.05	MAXIMUM
MINIMUM	NR			-0.58		-0.56		-0.30		-0.37		-0.26	MINIMUM

NR - NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 9.7 - 12-26-55

ZERO OF GAGE: 1952
1964
1964 TO 1971
1971-2.84 USCGS
-1.39 USCGS
-3.00 USCGS
0.00 USCGS

TABLE B-12 (CONTINUED)

DAILY TIDES

895660 THREE MILE SLOUGH AT SAN JOAQUIN RIVER
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.34 2.83	0.08 0.02	NR	NR	-0.50 1.13	2.19 3.72	-1.14 0.15	1.93 2.59	0.36 0.45	3.44 2.70	0.00 0.01	3.26 2.47	01
02	2.47 3.20	0.52 0.14	NR	NR	-0.42 1.27	2.44 3.88	-0.89 -0.01	2.17 2.01	0.64 0.33	3.63 2.10	0.24 -0.36	3.17 1.82	02
03	2.51 3.19	0.65	NR	NR	-0.25 1.39	2.70 3.89	-1.04 -0.40	2.11 1.42	0.38 0.04	3.42 2.24	0.09 -0.61	2.89 1.72	03
04	-0.14 0.70	2.31 3.26	NR	NR	0.25 1.43	3.09 3.35	-0.93 -0.50	2.50 1.10	1.34 0.00	3.83 -0.37	0.69 -0.37	3.15 2.11	04
05	-0.21 0.87	2.20 3.27	-0.63 0.94	2.14 2.84	-0.19 0.08	2.74 2.24	-0.75 -0.72	2.54 1.11	1.92 3.29	0.89 -0.47	1.13 -0.25	3.25	05
06	-0.30 1.01	2.06 3.18	-0.70 0.72	2.16 2.39	-0.64 0.14	2.58 1.67	-0.12 -0.40	3.17	1.74 3.10	0.81 -0.49	2.25 3.27	-1.44 -0.29	06
07	-0.48 1.28	2.09 3.37	-0.76 0.72	2.48 2.41	-0.57 -0.13	2.74 1.63	1.50 3.29	0.49 -0.49	2.04 3.38	1.05 -0.29	2.36 3.72	1.43 0.47	07
08	-0.24 1.28	2.27 3.13	-0.65 0.01	2.32 1.90	-0.25 -0.57	2.71	1.98 3.75	1.20 -0.16	2.29 3.48	1.08 -0.02	2.83 3.26	1.32 0.03	08
09	-0.41 1.06	2.31 2.96	-0.61 -0.30	2.50	1.45 2.77	0.04 -0.57	2.06 3.09	0.69 -0.62	2.70 3.76	1.30 0.71	2.54 3.10	0.87 -0.05	09
10	-0.44 0.68	2.38 2.82	1.75 2.56	-0.47 -0.58	1.71 3.25	0.41 -0.53	1.70 3.03	0.63 -0.94	3.18 3.50	0.71 0.08	2.69 3.04	0.77 0.11	10
11	-0.40 0.18	2.40	1.69 2.71	-0.28 -0.66	1.81 3.30	0.60 -0.62	1.56 2.96	0.46 -0.95	2.56 3.12	0.79 -0.07	2.83 2.97	0.61 0.19	11
12	2.56 2.45	-0.53 -0.13	1.76 2.96	0.01 -0.66	1.85 3.37	0.73 -0.56	1.53 2.51	0.23 -1.26	2.59 3.17	0.76 0.39	2.71 2.77	0.39 0.16	12
13	2.45 2.67	-0.31 -0.27	1.93 3.23	0.37 -0.52	1.89 3.09	0.67 -0.90	1.36 2.43	0.08	3.27 3.08	1.11	2.83 2.86	0.39 0.36	13
14	2.38 2.86	-0.14 -0.36	2.07 3.43	0.65 -0.34	1.71 3.01	0.59	-1.11 0.21	1.58 2.33	0.45 0.76	3.06 2.53	2.73 2.47	0.89 0.35	14
15	2.26 2.87	-0.06 -0.55	2.27 3.43	0.94	-0.91 0.57	1.70 2.77	-1.03 0.20	1.74 2.17	0.16 0.44	2.68 2.13	2.86 2.45	0.01 1.05	15
16	2.15 3.07	0.16 -0.51	0.47 0.94	2.13 3.28	-1.04 0.55	1.65 2.50	-0.95 0.13	1.89 1.84	0.31 0.31	2.92 1.49	3.43 2.17	0.16	16
17	NR	NR	-0.55 0.92	2.08 2.93	-0.96 0.62	1.81 2.47	-0.97 -0.15	1.79 1.26	0.12 0.11	2.58 1.26	0.62 -0.16	2.91 1.97	17
18	NR	NR	-0.70 1.12	2.16 2.76	-0.90 0.64	1.98 1.96	-1.01 -0.33	1.78 1.00	-0.31 -0.23	2.62 1.10	0.87 -0.16	3.07 1.85	18
19	NR	NR	-0.74 0.90	1.96 2.19	-1.05 0.40	1.94 1.45	-0.78 -0.68	1.89 0.52	-0.67 -0.17	2.99	1.11 -0.05	3.17 2.02	19
20	NR	NR	-0.89 0.99	2.06 2.21	-1.06 0.07	1.87 0.96	-0.56 -0.68	2.13 0.81	1.69 3.07	1.18 -0.60	1.34 -0.43	2.92 1.98	20
21	NR	NR	-0.27 1.69	3.29 2.19	-0.94 0.07	2.13 0.92	0.13 -0.80	2.57	1.38 2.74	0.84 -0.96	1.28 0.42	2.92	21
22	NR	NR	-0.25 0.23	2.47 1.25	-0.63 -0.55	2.16 0.63	0.98 2.72	0.43 -1.01	1.31 2.76	0.48 -1.01	3.02 3.32	1.67 0.03	22
23	NR	NR	-0.52 -0.29	2.20	-0.42 -0.93	2.21	1.10 3.01	0.57 -0.94	1.60 2.86	0.27 -0.91	2.66 3.11	1.04 -0.21	23
24	NR	NR	1.09 2.30	-0.44 -0.29	0.65 2.47	-0.12 -1.03	1.39 3.18	0.62 -0.86	1.88 3.04	0.14 -0.59	2.76 3.28	0.79 0.21	24
25	NR	NR	1.68 2.73	0.14 -0.50	1.01 2.92	0.22 -0.87	1.63 3.35	0.61 -0.71	2.31 3.16	0.23 -0.28	3.57 3.91	1.67 0.57	25
26	NR	NR	1.51 2.97	0.27 -0.51	1.50 3.34	0.67 -0.71	1.89 3.46	0.68 -0.73	2.57 2.85	0.02 -0.39	3.08 3.07	0.45 0.39	26
27	NR	NR	1.72 3.15	0.49 -0.59	1.90 3.15	1.21 0.05	1.78 3.13	0.23 -0.75	2.57 2.57	-0.23	3.38 2.92	0.37 0.37	27
28	NR	NR	1.90 3.43	0.78 -0.56	2.27 3.55	0.94 -0.50	1.92 3.10	0.14	-0.32 -0.22	2.86 2.41	3.22 2.42	-0.08 0.37	28
29	NR	NR	1.95 3.39	0.76 -0.58	2.00 3.47	0.70	-0.69 -0.04	2.07 2.70			3.54 2.59	-0.05	29
30	NR	NR	2.10 3.63	1.02	-0.77 0.51	1.91 3.27	-0.68 0.03	2.39 2.58			0.66 -0.05	3.64 2.64	30
31	NR	NR			-0.85 -0.11	1.55 2.51	-0.44 0.31	2.73 2.89			1.09 -0.02	3.76 2.39	31
MAXIMUM	NR		NR		4.18		3.75		3.83		3.91		MAXIMUM
MINIMUM	NR		NR		-1.06		-1.26		-1.01		-0.61		MINIMUM

NR = NO RECORD

LOCATION: LAT. 38 05 15, LONG. 121 41 08, SE SEC. 19, T3N, R3E,
ON SHERMAN ISLAND, 4.9 MILES SOUTH OF RIO VISTA.

PERIOD OF RECORD: JUNE 1929 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIGES

895000 THREE MILE SLOUGH AT SAN JOAQUIN RIVER
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	1.05 -0.51	3.08 1.95	NR	NR	1.34 -0.07	2.29 3.03	0.18 -0.23	1.17 2.77	-0.29 0.92	1.44 3.26	-0.54 0.75	1.66	01
02	0.91 -0.86	2.61 1.95	0.95 -0.91	2.17 2.25	0.91 0.04	1.90 3.03	-0.11 0.13	1.01 2.91	-0.45 1.12	1.64 3.42	3.16 2.01	-0.59 0.61	02
03	1.04 -0.45	2.49	0.62 -0.61	1.81 2.51	0.37 0.29	1.56	-0.38 0.59	1.15 3.16	-0.54 1.23	1.90	3.28 2.21	-0.51 0.39	03
04	2.25 2.45	1.25 -0.28	0.37 -0.87	1.40	3.17 1.83	0.20 0.89	-0.44 0.87	1.47	3.74 2.29	-0.24 1.25	3.26 2.43	-0.40 0.26	04
05	2.53 2.38	1.14 -0.29	2.24 1.18	-0.18 -0.62	3.80 2.33	0.51 1.25	3.31 1.62	-0.59 0.93	3.85 2.35	-0.26 1.10	3.27 2.76	-0.16 0.23	05
06	2.45 2.28	0.64 -0.32	2.17 1.33	-0.46 -0.34	3.88 2.49	0.35 1.41	3.52 1.90	-0.54 1.24	3.81 2.32	-0.35 0.71	3.19 3.04	0.06 0.28	06
07	2.46 2.33	0.37 -0.13	2.47 1.59	-0.55 -0.02	3.81 2.44	-0.02 1.38	3.73 2.09	-0.43 1.14	3.43 2.05	-0.71 0.14	3.09 3.33	0.22	07
08	2.59 2.29	0.14 -0.07	2.72 1.85	-0.55 0.31	3.97 2.48	-0.13 1.41	3.72 2.11	-0.53 1.03	3.12 2.27	-0.70 0.13	0.30 0.46	2.96 3.54	08
09	2.58 2.29	-0.07 0.25	3.01 1.95	-0.52 0.45	3.88 2.52	-0.21 1.43	3.76 2.25	-0.42 0.89	3.04 2.64	-0.44 0.20	0.13 0.41	2.59 3.54	09
10	2.78 2.34	-0.21 0.34	3.06 1.92	-0.47 0.44	4.02 2.81	-0.07 1.72	3.59 2.31	-0.45 0.79	2.88 2.95	-0.25	0.26 0.78	2.57 3.63	10
11	2.89 2.36	-0.26 0.59	3.02 1.74	-0.86 0.43	4.26 2.97	0.20 1.69	3.39 2.44	-0.51	0.34 0.14	2.82 3.30	0.11 1.10	2.47 3.69	11
12	3.10 2.23	0.64	3.03 1.93	-0.95 0.88	4.07 2.76	-0.10	0.64 -0.52	3.05 2.67	0.38 0.25	2.45 3.39	0.18 1.27	2.46 3.62	12
13	3.23 2.42	-0.31 1.10	3.30 2.35	-0.68 1.47	1.32 -0.29	3.56 2.96	0.52 -0.35	2.78 3.03	0.17 0.37	2.10 3.41	0.10 1.30	2.52 3.41	13
14	3.55 2.42	-0.15 1.16	3.75 2.43	-0.32	1.60 0.04	3.59 3.26	0.67 -0.02	2.72 3.35	0.00 0.70	2.00 3.48	-0.09 1.07	2.44 3.22	14
15	3.24 2.09	-0.58	1.26 -0.56	3.35 2.47	1.41 0.09	3.18 3.36	-0.33 -0.21	2.05 3.09	-0.16 1.00	2.08 3.81	-0.17 0.84	2.44	15
16	1.11 -0.60	3.13 2.06	1.21 -0.62	3.29 2.53	0.95 -0.07	2.52 3.43	-0.18 0.32	1.63 3.30	-0.18 1.05	2.18 3.50	3.08 2.41	-0.20 0.55	16
17	1.22 -0.59	3.00 2.20	1.10 -0.77	2.73 2.44	0.54 0.48	2.15 3.60	-0.23 0.76	1.85 3.61	-0.31 1.00	2.27	2.96 2.51	-0.11 0.49	17
18	1.19 -0.98	2.62 1.98	0.78 -0.40	2.46 2.98	0.08 0.53	1.97 3.77	-0.26 0.49	1.93	3.37 2.20	-0.44 0.74	2.97 2.66	0.07 0.49	18
19	0.85 -1.06	2.20	0.65 0.03	2.35 3.47	0.04 0.53	2.02	3.65 2.09	-0.36 1.06	3.23 2.17	-0.48 0.56	2.88 2.65	0.09 0.27	19
20	1.96 2.14	0.38 -0.47	0.29 -0.56	1.74	3.62 2.10	-0.38 0.97	3.67 2.17	-0.34 1.05	3.03 2.26	-0.49 0.55	2.60 2.57	-0.03 0.03	20
21	2.39 2.41	0.23 -0.36	2.85 1.81	-0.45 0.60	3.80 2.14	-0.38 1.00	3.40 2.21	-0.38 0.95	3.10 2.52	-0.25 0.85	2.55 2.68	0.18 -0.04	21
22	2.84 2.44	0.11 -0.27	3.25 2.65	-0.42 0.29	3.75 2.45	-0.45 1.14	3.56 2.28	-0.40 0.89	3.08 2.49	-0.17 0.43	2.31 2.60	0.13	22
23	2.85 2.20	-0.15 -0.23	3.46 2.19	-0.41 0.52	3.72 2.35	-0.43 1.16	3.51 2.34	-0.33 0.89	2.83 2.52	-0.19 0.36	-0.28 0.01	1.91 2.49	23
24	3.04 2.81	-0.42 0.49	3.60 2.25	-0.49 0.85	3.59 2.20	-0.45 0.83	3.44 2.38	-0.20 0.74	2.60 2.52	-0.19	-0.55 0.18	1.73 2.60	24
25	3.52 2.45	-0.29 0.39	3.68 2.30	-0.56 0.89	3.14 1.99	-0.92 0.73	3.13 2.49	-0.38 0.81	0.18 0.08	2.42 2.76	-0.52 0.54	1.73 2.81	25
26	3.27 2.10	-0.74 0.33	3.65 2.49	-0.46 1.22	2.90 2.18	-0.87	3.01 2.70	-0.19	0.41 0.31	2.43 3.04	-0.34 0.94	1.93 3.00	26
27	3.30 2.03	-0.77 0.50	3.68 2.46	-0.48 1.17	0.85 -0.80	2.74 2.23	0.87 0.19	2.87 3.05	0.31 0.24	1.92 2.85	-0.17 1.24	2.03 3.03	27
28	3.18 2.05	-0.93 0.74	3.33 2.39	-0.45	0.71 -0.81	2.34 2.32	0.99 0.25	2.51 3.12	-0.69 0.34	1.51 2.76	-0.29 1.14	2.68 2.92	28
29	3.15 2.16	-0.81	1.19 -0.73	3.64 2.55	0.74 -0.63	2.05 2.47	0.75 0.17	2.06 3.01	-0.39 0.60	1.33 2.85	-0.41 0.95	2.16 2.93	29
30	NR	NR	1.50 -0.43	1.43 2.87	0.43 -0.46	1.53 2.66	0.32 0.17	1.54 2.89	-0.54 1.01	1.48 1.13	-0.33 0.70	2.33	30
31			1.62 -0.24	2.73 2.96			-0.08 0.48	1.23 3.02	-0.57 1.12	1.77 3.26			31
MAXIMUM	NR	NR	NR		4.26		3.76		1.85		3.69	MAXIMUM	
MINIMUM	NR	NR	NR		-0.92		-0.59		-0.71		-0.59	MINIMUM	

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 5.9 - 4-6-58
 MAXIMUM OF RECORD IS MAXIMUM RECORDED STAGE --
 RECORD NOT COMPLETE IN DECEMBER 1955.

ZERO OF GAGE: 1929 TO 1940 0.00 USGS
 1940 TO 1959 0.00 USGS
 1959 -10.00 USGS
 1964 -10.45 USGS
 1964 TO DATE 0.00 USGS

TABLE A-12 (CONTINUED)

DAILY TIDES

895020 SAN JOAQUIN RIVER AT ANTIOCH
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.35 2.46 2.86	+0.43 -0.55 0.83	0.30 -1.18 2.09	3.35 0.63 -1.26	2.12 3.69 2.37	0.72 0.84 0.84	-1.89 -0.35 -1.60	1.91 2.80 2.13	0.07 2.09 0.52	3.40 2.69 1.62	3.33 2.48 1.78	-0.52 -0.22 -0.91	01
02	2.45 3.17	0.83 -0.48	0.33 3.38	0.63 -1.26	2.37 3.68	0.84 0.84	-1.60 -0.47	2.13 2.06	0.52 0.04	1.62 2.10	3.24 1.78	-0.91 -0.91	02
03	2.48 3.20	0.19 0.72	1.47 2.49	0.53 0.53	-0.66 1.19	2.68 3.80	-1.39 -0.67	2.14 1.48	0.16 -0.50	3.40 2.11	-0.28 -1.16	2.94 1.61	03
04	-0.72 0.28	2.27 3.26	1.46 2.49	0.53 0.53	-0.69 1.19	3.13 3.39	-1.22 -0.78	2.58 1.12	1.05 -0.58	3.81 1.92	0.35 -0.95	3.14 1.46	04
05	-0.80 0.53	2.14 3.26	-1.30 0.59	2.04 2.76	-0.52 0.50	2.78 2.28	-0.44 1.00	2.61 1.11	0.54 -1.08	3.25 -0.80	0.84 -0.80	3.15 2.12	05
06	-0.91 0.07	1.57 3.13	-1.32 0.35	2.08 2.33	-0.96 0.10	2.69 1.72	-0.30 -0.70	3.20 3.30	1.66 3.06	0.49 -1.43	1.17 -0.84	3.13 -0.84	06
07	-1.07 0.96	2.01 0.96	-1.37 0.33	2.42 2.32	-0.82 -0.37	2.80 1.68	1.59 3.30	0.31 -0.02	1.98 3.36	0.66 -0.93	2.22 3.67	1.08 0.00	07
08	3.22 2.13	-0.45 0.94	-1.26 0.74	2.24 1.05	-0.47 -0.84	2.83 0.84	1.92 3.74	1.02 -0.58	2.24 3.43	0.67 -0.67	2.76 3.23	1.00 -0.60	08
09	3.00 2.20	-1.07 0.94	-1.18 0.85	2.51 1.74	1.49 3.08	-0.14 -0.90	2.80 3.12	0.51 -1.19	2.67 3.09	0.88 -0.94	2.45 3.09	0.42 -0.65	09
10	0.89 -1.02	2.88 2.33	1.40 -1.19	2.61 1.74	1.72 3.32	0.24 -0.89	1.69 3.10	0.44 -1.32	3.08 3.44	0.42 -0.58	2.66 3.82	0.38 -0.51	10
11	0.28 -0.99	2.79 0.94	1.38 2.74	-0.78 -1.33	1.82 3.38	0.41 1.00	1.57 3.08	0.28 -1.34	2.47 3.07	0.32 -0.73	2.74 2.98	0.14 -0.42	11
12	2.43 2.58	-0.29 -1.13	1.72 3.06	-0.46 -1.35	1.87 3.41	0.55 -0.91	1.54 2.56	0.05 -1.62	2.55 3.16	0.27 -0.24	2.70 2.75	-0.13 -0.42	12
13	2.49 2.51	-0.66 -0.47	1.88 3.25	-0.67 -1.24	1.84 3.12	0.24 -1.61	1.38 2.49	-0.07 -1.47	3.23 3.01	0.64 -0.14	2.88 2.88	0.15 0.04	13
14	2.72 2.42	-0.45 0.94	2.00 3.43	0.22 -1.06	1.85 3.04	0.22 -1.63	1.82 2.38	0.04 0.04	2.97 2.43	0.26 -0.40	2.72 2.48	-0.24 0.05	14
15	-0.66 -0.99	2.94 2.29	2.21 3.43	-0.70 -0.40	1.64 2.78	0.22 -1.70	-1.33 -1.70	1.79 2.20	2.62 2.02	0.81 0.81	2.87 2.40	-0.36 0.78	15
16	-0.56 -1.22	2.95 1.28	2.68 1.28	0.78 0.78	1.62 2.44	0.23 0.23	-1.28 -0.64	1.90 1.84	-0.17 -0.14	2.95 1.38	3.40 2.13	-0.28 0.34	16
17	2.17 3.13	-0.30 -1.18	-0.94 0.72	2.64 2.40	-1.86 0.30	1.72 2.38	-1.27 -0.30	1.65 1.28	-0.21 0.31	2.51 1.14	2.80 1.51	-0.54 1.51	17
18	2.17 3.18	-0.42 -1.24	-1.10 0.95	2.12 2.70	-1.52 0.32	1.90 1.84	-1.24 -0.44	1.81 1.00	-0.04 -0.67	2.54 0.94	0.70 -0.44	3.03 1.78	18
19	2.10 3.23	0.18 0.18	-1.11 0.76	1.91 2.15	-1.62 0.12	1.86 1.34	-0.94 -0.84	1.90 0.50	0.51 -0.44	2.93 1.59	0.88 -0.36	3.14 1.89	19
20	-1.04 0.71	2.28 3.31	-1.21 0.86	2.02 2.15	-1.56 -0.24	1.82 0.85	-0.64 -0.84	2.18 0.77	0.86 -1.18	2.95 1.18	1.20 -0.74	2.84 1.84	20
21	-0.79 0.94	2.32 3.07	-0.57 1.52	2.18 2.14	-1.32 -0.23	2.09 0.79	0.01 -1.06	2.58 0.91	1.27 2.73	0.51 1.63	1.14 0.85	2.82 2.95	21
22	-0.97 0.91	2.05 2.52	-0.51 -0.01	2.43 1.20	1.00 -0.99	2.16 0.49	3.31 -1.30	2.72 -1.71	1.20 2.72	0.14 -1.71	1.51 -0.37	3.29 0.37	22
23	-1.10 1.46	2.21 2.17	-0.74 -0.57	2.20 1.85	-0.64 -1.45	2.24 0.52	1.07 3.02	0.41 -1.27	1.57 2.69	-0.12 -1.62	2.63 3.10	0.88 -0.64	23
24	0.19 -0.77	1.94 2.36	-0.64 -0.57	2.28 2.28	-0.44 -1.62	2.41 0.52	1.35 3.19	0.44 -1.23	1.90 3.11	-0.31 -1.30	2.78 3.30	0.50 -0.22	24
25	-0.02 -0.53	2.68 2.63	1.67 2.80	-0.68 -0.80	0.88 2.91	-0.14 -1.51	1.61 3.39	0.40 -1.09	2.35 3.23	-0.30 -0.97	3.80 4.08	1.29 0.17	25
26	-0.16 -0.35	2.15 2.94	1.42 2.94	-0.15 -1.13	1.38 3.32	0.33 -1.38	1.87 3.56	0.44 -1.12	2.60 2.90	-0.53 -1.05	3.11 3.13	0.12 -0.08	26
27	2.81 2.60	-0.39 0.43	1.63 3.13	0.08 -1.28	1.80 4.17	0.81 -0.54	1.70 3.34	0.63 -1.19	2.62 2.63	-0.79 -0.91	3.39 3.00	-0.01 -0.08	27
28	3.56 2.31	0.17 -0.14	1.88 3.41	0.36 -1.28	2.47 3.00	0.59 -1.11	1.94 3.19	-0.11 -1.09	2.96 2.45	-0.79 -0.51	2.48 2.48	-0.44 0.02	28
29	3.11 2.15	-0.75 0.94	1.87 3.39	0.35 -1.31	2.02 3.44	0.23 -1.52	2.12 2.80	-0.30 -0.30	2.62 2.62	-0.21 -0.21	3.70 2.66	-0.48 0.38	29
30	0.00 -1.08	3.12 1.99	2.00 3.61	0.61 -1.23	1.85 3.32	0.07 -1.42	-1.05 -0.21	2.45 2.67	0.80 0.80	2.77 2.97	0.88 -0.30	3.40 2.40	30
31	0.18 -1.24	3.21 1.97	2.00 3.61	0.61 -1.23	1.85 3.32	0.07 -1.42	-1.05 -0.21	2.45 2.67	0.80 0.80	2.77 2.97	0.88 -0.30	3.40 2.40	31
	MAXIMUM	3.56		3.61		4.17		3.76		3.81		4.08	MAXIMUM
	MINIMUM	-1.24		-1.37		-1.70		-1.89		-1.71		-1.16	MINIMUM

LOCATION: LAT. 38 01 00, LONG. 121 48 00, SW COR. 18, T20, R2E,
IN PUMP HOUSE ON WHARF AT CITY WATER WORKS IMMEDIATELY
NORTH OF ANTIOCH.

PERIOD OF RECORD: JUNE 1929 TO DATE

TABLE R-12 (CONTINUED)
DAILY TIDES
895020 SAN JOAQUIN RIVER AT ANTIOCH
(APRIL 14, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	0.84 -0.91	3.11 1.90	0.92 -1.13	2.68 2.70	0.91 -0.56	2.13 2.89	-0.25 -0.57	1.02 2.69	-0.56 0.80	1.35 3.25	-1.06 0.41	1.80 3.13	01
02	0.76 1.00	2.57 1.89	0.80 -1.27	2.12 2.19	0.44 -0.45	1.72 2.95	-0.53 0.01	0.99 2.92	-0.72 1.01	1.59 3.40	-1.18 0.24	1.94 3.13	02
03	0.94 -0.75	2.47 2.20	0.42 -0.96	1.73 2.46	-0.08 -0.09	1.43 3.07	-0.62 0.39	1.08 3.18	-0.85 1.09	1.84 3.28	-1.12 2.21	2.57 -0.04	03
04	1.12 -0.58	2.42	0.17 -1.14	1.36	-0.34 0.57	1.68 3.66	-0.78 3.31	1.46 3.31	3.73 2.25	-0.57 3.08	3.30 2.44	-1.01 -0.18	04
05	2.50 2.38	1.01 -0.59	2.20 1.12	-0.41 -0.88	-0.14 0.80	2.17	-0.91 0.78	1.54	3.84 2.31	-0.64 0.86	3.32 2.73	-0.73 -0.24	05
06	2.48 2.29	0.50 -0.61	2.17 1.29	-0.74 -0.59	3.78 2.32	-0.34 0.94	3.52 1.86	-0.94 1.01	3.82 2.28	-0.76 0.50	3.21 3.07	-0.50 -0.26	06
07	2.48 2.29	0.16 -0.42	2.47 1.58	-0.86 -0.29	3.76 2.29	-0.75 0.96	3.73 2.04	-0.81 0.92	3.48 2.06	-1.11 -0.12	3.08 3.38	-0.30 -0.27	07
08	2.64 2.30	-0.11 -0.36	2.72 1.83	-0.89 0.08	3.89 2.34	-0.86 0.95	3.73 2.10	-0.94 0.83	3.24 2.34	-1.29 -0.28	2.93 3.61	-0.06	08
09	2.64 2.30	-0.35 -0.01	2.96 1.86	-1.20 -0.03	3.84 2.40	-0.97 0.98	3.79 2.24	-0.80 0.62	3.13 2.71	-0.97 -0.21	-0.43 -0.07	2.57 3.55	09
10	2.86 2.37	-0.54 -0.10	3.01 1.81	-1.44 0.00	3.95 2.67	-0.86 1.22	3.62 2.30	-0.85 0.58	2.96 3.03	-0.72	-0.36 0.37	2.58 3.60	10
11	2.91 2.25	-0.89 0.06	2.96 1.66	-1.41 0.05	4.19 2.80	-0.61 1.15	3.42 2.48	-0.90 0.39	-0.07 -0.27	2.86 3.34	-0.47 0.77	2.40 3.64	11
12	3.05 2.15	-0.99 0.19	3.01 1.85	-1.65 0.38	3.97 2.64	-0.89 0.85	3.10 2.71	-0.89	-0.06 -0.12	2.45 3.42	-0.41 0.95	2.31 3.53	12
13	3.19 2.28	-0.95 0.62	3.28 2.23	-1.39 0.90	3.49 2.93	-1.04	0.38 -0.69	2.82 3.09	-0.31 -0.01	2.07 3.40	-0.50 0.94	2.37 3.31	13
14	3.44 2.27	-0.83 0.66	3.64 2.19	-1.09 0.71	1.06 -0.71	3.48 3.09	0.46 -0.31	2.74 3.44	-0.53 0.40	1.88 3.45	-0.70 0.68	2.34 3.11	14
15	3.15 1.97	-1.27 0.75	3.24 2.30	-1.32	0.80 -0.62	3.06 3.25	0.04 -0.48	2.08 3.17	-0.69 0.68	1.95 3.54	-0.79 0.43	2.34 2.98	15
16	3.03 1.91	-1.29	0.73 -1.37	2.97 2.62	0.41 -0.70	2.44 3.38	-0.47 -0.19	1.64 3.35	-0.72 0.72	2.07 3.44	-0.78 0.12	2.34	16
17	1.88 -0.93	2.94 2.12	0.69 -1.47	2.64 2.38	-0.02 -0.08	2.01 3.51	-0.50 0.50	1.82 3.04	-0.84 0.56	2.16 2.46	2.91 2.46	-0.68 -0.01	17
18	1.02 -1.24	2.55 2.90	0.36 -1.09	2.37 2.68	-0.56 0.05	1.87 3.72	-0.59 0.76	1.96 3.67	3.33 2.13	-1.12 0.35	2.94 2.60	-0.49 -0.02	18
19	0.70 -1.39	2.24 1.94	0.13 -0.64	2.22 3.31	-0.85 -0.05	1.91 3.56	-0.70 0.84	2.09	3.24 2.13	-1.06 0.17	2.82 2.59	-0.46 -0.27	19
20	0.21 -1.21	2.16	-0.18 -1.18	1.76 2.85	-1.09 0.55	1.97	3.70 2.19	-0.72 0.82	3.03 2.22	-1.07 0.14	2.59 2.61	-0.54 -0.49	20
21	2.40 2.44	0.02 -0.72	-1.13 -0.54	1.76	3.76 2.03	-1.10 0.57	3.65 2.21	-0.74 0.76	3.11 2.48	-0.80 0.23	2.52 2.68	-0.26 -0.57	21
22	2.86 2.46	-0.21 -0.67	3.26 1.98	-1.17 -0.24	3.72 2.14	-1.18 0.72	3.61 2.29	-0.78 0.70	3.05 2.44	-0.71 0.02	2.28 2.58	-0.28 -0.82	22
23	2.90 2.22	-0.69 -0.54	3.45 2.11	-1.18 0.01	3.69 2.17	-1.25 0.68	3.54 2.35	-0.69 0.64	2.82 2.49	-0.67 -0.11	1.84 2.40	-0.30 -1.10	23
24	3.13 2.85	-0.79 0.20	3.62 2.18	-1.29 0.37	3.53 2.10	-1.23 0.36	3.48 2.40	-0.66 0.67	2.59 2.52	-0.66 -0.20	1.66 2.58	-0.15	24
25	3.56 2.48	-0.71 0.12	3.70 2.22	-1.35 0.43	3.11 1.92	-1.67 0.30	3.19 2.50	-0.72 0.65	2.39 2.75	-0.32	-1.04 0.24	1.64 2.76	25
26	3.32 2.10	-1.19 0.09	3.63 2.38	-1.24 0.70	2.84 2.11	-1.58 0.42	3.03 2.71	-0.50	-0.01 -0.02	2.36 2.93	-0.88 0.64	1.81 2.90	26
27	3.32 2.01	-1.22 0.25	3.63 2.35	-1.24 0.73	2.68 2.15	-1.48	2.70 -0.08	2.87 3.76	-0.19 -0.09	1.83 2.78	-0.76 0.97	1.87 2.88	27
28	3.20 2.04	-1.33	3.30 2.31	-1.29 0.82	0.31 -1.43	2.24 2.27	0.80 0.01	2.6 3.12	-0.53 0.08	1.38 2.73	-0.90 0.90	1.90 2.82	28
29	0.53 -1.24	3.16 2.13	2.96 2.47	-1.39	0.34 -1.13	1.95 2.42	-0.57 -0.04	2.06 3.02	-0.85 0.37	1.74 2.75	-0.96 0.64	2.65 2.84	29
30	0.84 -1.10	3.02 2.19	1.14 -1.04	2.91 2.75	0.11 -0.98	1.43 2.56	0.11 -0.02	1.47 2.90	-1.06 0.75	1.31 3.03	-0.90 0.30	2.25 2.94	30
31			1.25 -0.79	2.61 2.88			-0.30 0.40	1.18 2.98	-1.07 0.86	1.66 3.20			31
MAXIMUM	3.56		3.70		4.19		3.79		3.84		3.64		MAXIMUM
MINIMUM	-1.39		-1.65		-1.67		-0.94		-1.29		-1.18		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 6.2 - 12-26-55

ZERO OF GAGE: 1954 TO 1955 2.00
1956 TO 1957 1.01
1958 TO 1959 0.71
1960 TO 1961 0.41
1962 TO 1963 0.11
1964 TO 1965 0.00
1966 TO 1967 0.00
1968 TO 1969 0.00
1970 TO 1971 0.00
1972 TO 1973 0.00
1974 TO 1975 0.00
1976 TO 1977 0.00
1978 TO 1979 0.00
1980 TO 1981 0.00
1982 TO 1983 0.00
1984 TO 1985 0.00
1986 TO 1987 0.00
1988 TO 1989 0.00
1990 TO 1991 0.00
1992 TO 1993 0.00
1994 TO 1995 0.00
1996 TO 1997 0.00
1998 TO 1999 0.00
2000 TO 2001 0.00
2002 TO 2003 0.00
2004 TO 2005 0.00
2006 TO 2007 0.00
2008 TO 2009 0.00
2010 TO 2011 0.00
2012 TO 2013 0.00
2014 TO 2015 0.00
2016 TO 2017 0.00
2018 TO 2019 0.00
2020 TO 2021 0.00
2022 TO 2023 0.00
2024 TO 2025 0.00
2026 TO 2027 0.00
2028 TO 2029 0.00
2030 TO 2031 0.00
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2100 TO 2101 0.00
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2108 TO 2109 0.00
2110 TO 2111 0.00
2112 TO 2113 0.00
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2116 TO 2117 0.00
2118 TO 2119 0.00
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2164 TO 2165 0.00
2166 TO 2167 0.00
2168 TO 2169 0.00
2170 TO 2171 0.00
2172 TO 2173 0.00
2174 TO 2175 0.00
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2178 TO 2179 0.00
2180 TO 2181 0.00
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2220 TO 2221 0.00
2222 TO 2223 0.00
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2228 TO 2229 0.00
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2232 TO 2233 0.00
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2238 TO 2239 0.00
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2246 TO 2247 0.00
2248 TO 2249 0.00
2250 TO 2251 0.00
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2254 TO 2255 0.00
2256 TO 2257 0.00
2258 TO 2259 0.00
2260 TO 2261 0.00
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2270 TO 2271 0.00
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2590 TO 2591 0.00
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2594 TO 2595 0.00
2596 TO 2597 0.00
2598 TO 2599 0.00
2600 TO 2601 0.00
2602 TO 2603 0.00
2604 TO

TABLE 8-12 (CONTINUED)
DAILY TIDES
E03300 SUITSUN BAY AT BENICIA
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.50 3.11	-1.30 -1.59	2.09 3.53	-0.28 -2.54	2.27 3.90	0.25 -2.55	2.16 2.87	-1.08 -2.91	3.79 2.82	-0.74 -0.43	3.60 2.67	-1.77 -1.18	01
02	2.58 3.24	-0.88 -1.66	2.18 3.64	0.12 -2.59	2.55 3.79	0.35 -2.31	2.39 2.12	-1.29 -2.87	3.81 2.05	-1.12 -0.70	3.53 1.92	-2.10 -0.99	02
03	2.55 3.35	-0.56 -1.94	2.10 3.33	0.06 -2.60	3.02 4.26	0.70 -1.56	2.46 1.50	-1.75 -2.47	3.56 2.09	-1.58 1.76	3.19 1.76	-2.26 -0.06	03
04	2.35 3.41	-0.32 -1.95	2.04 3.10	0.09 -2.56	3.18 3.31	0.20 -2.11	2.90 1.12	-1.92 1.12	3.46 1.78	3.79 2.00	3.20 2.00	-2.09 2.00	04
05	2.14 3.38	0.03 -2.04	2.14 2.83	0.18 -2.63	2.87 2.28	-0.46 -2.77	-1.93 -2.16	2.84 1.11	0.10 -2.39	3.33 1.75	3.06 -1.87	3.21 2.18	05
06	2.02 3.24	0.29 -2.10	-2.51 -0.10	2.25 2.46	-2.41 -1.15	2.85 1.68	-0.40 -1.98	3.46 1.57	0.10 -2.48	3.12 1.75	0.85 -1.86	3.20 2.45	06
07	2.02 3.20	0.54 -2.06	-2.44 2.66	2.66 -2.33	-2.06 -1.67	2.97 1.65	-0.33 -2.24	3.47 1.87	2.07 3.47	0.24 -2.25	0.78 -0.76	3.85 2.67	07
08	2.00 0.46	2.04 2.88	-2.33 -1.30	2.51 1.91	-1.48 -2.24	3.06 1.48	0.22 -2.24	3.74 1.88	2.35 3.56	0.14 -1.93	0.49 -2.50	3.26 2.50	08
09	-2.20 0.16	2.16 2.81	-2.25 -1.85	2.78 1.84	-0.98 -2.43	3.25 1.77	-0.36 -2.95	3.15 1.77	2.97 3.76	0.18 -1.17	-0.43 -1.94	2.97 1.94	09
10	-2.23 -0.37	2.41 2.79	-1.91 -2.33	2.99 1.89	-0.53 -2.55	3.52 1.89	1.78 3.27	-0.17 -3.06	3.12 3.57	-0.07 -1.98	2.79 3.13	-0.42 -1.85	10
11	-2.11 -1.08	2.61 2.70	-1.58 -2.54	3.18 1.89	1.41 3.59	-0.31 -2.75	1.62 3.15	-0.39 -3.05	2.54 3.17	-0.58 -2.19	2.87 3.01	-0.83 -1.81	11
12	-2.21 -1.62	2.80 2.69	1.97 3.40	-1.12 -2.63	1.96 3.62	-0.10 -2.77	1.65 2.74	-0.67 -3.30	2.63 3.27	-0.59 -1.46	2.73 2.78	-1.28 -1.70	12
13	-1.94 -1.96	3.07 3.60	2.11 3.60	-0.67 -2.63	1.90 3.30	-0.26 -3.05	1.55 2.72	-0.72 -3.03	3.34 2.99	-0.37 -1.48	2.86 2.72	-1.37 -1.52	13
14	2.63 3.29	-1.68 -2.22	2.21 3.71	-0.33 -2.56	1.80 3.29	-0.23 -3.07	1.81 2.55	-0.62 -2.81	2.92 2.36	-0.95 -1.60	2.70 2.45	-1.78 -1.21	14
15	2.53 2.33	-1.45 -2.52	2.24 3.56	-0.10 -2.57	1.83 2.92	-0.22 -3.01	1.98 2.28	-0.64 -2.65	2.51 1.90	-0.93 -1.09	2.87 2.34	-1.94 -0.39	15
16	2.43 3.50	-1.07 -2.52	2.17 3.41	0.10 -2.58	1.82 2.62	-0.16 -2.93	2.11 1.88	-0.77 -2.48	2.61 1.24	-1.29 -0.92	3.26 1.94	-1.86 -0.65	16
17	2.39 3.50	-0.66 -2.54	2.11 2.96	0.13 -2.58	1.92 2.51	-0.13 -2.68	2.00 1.26	-1.04 -2.17	2.34 0.98	-1.38 -0.55	2.85 1.84	-2.04 -0.05	17
18	2.30 3.45	-0.30 -2.30	2.19 2.65	0.31 -2.56	2.10 1.93	-0.12 -2.63	2.00 2.76	-1.10 -1.53	2.40 0.82	-1.58 -0.92	2.94 1.63	-1.95 0.34	18
19	2.39 3.39	0.14 -2.04	1.94 2.14	0.24 -2.37	2.05 1.41	-0.24 -2.29	2.07 0.43	-1.47 -1.17	2.74 1.21	-1.80 -1.17	3.01 1.58	-1.93 0.44	19
20	2.34 3.04	0.52 -1.97	2.09 2.10	0.37 -1.40	2.00 0.88	-0.61 -1.76	2.18 0.68	-1.61 -2.15	0.35 1.13	2.80 1.13	2.05 1.61	-2.20 1.61	20
21	2.09 2.57	0.59 -1.96	3.35 1.90	0.88 1.90	2.17 0.75	-0.61 0.75	-0.51 -1.96	2.45 0.88	0.08 -3.21	2.59 1.14	0.58 -1.16	2.75 2.53	21
22	-1.97 0.65	2.23 2.33	-1.44 -0.78	2.39 1.11	-1.47 -1.60	2.09 0.42	-0.21 -2.48	2.72 0.93	-0.28 -3.35	2.79 1.05	0.71 -2.17	3.29 2.45	22
23	-1.81 0.10	2.24 1.93	-1.49 -1.45	2.25 1.03	-1.12 -2.38	2.12 0.47	-0.11 -2.59	3.00 1.30	-0.77 -3.25	3.04 2.05	-0.34 -2.66	2.95 2.77	23
24	-1.78 -0.20	2.25 1.94	-1.22 -1.57	2.44 1.59	-0.79 -2.63	2.45 0.90	-0.14 -2.72	3.29 1.30	2.06 3.37	-1.18 -2.93	-0.80 -2.38	3.25 2.38	24
25	-1.50 -0.57	2.44 2.03	-0.76 -2.10	2.83 1.40	-0.54 -2.57	3.05 1.40	1.66 3.58	-0.21 -2.76	2.58 3.53	-1.40 -2.81	3.44 3.73	-0.78 -2.36	25
26	-1.32 -0.92	2.74 2.12	-0.68 -2.30	3.11 1.40	1.45 3.50	-0.07 -2.64	1.91 3.69	-0.29 -2.92	2.74 3.18	-1.85 -2.60	2.88 2.96	-2.30 -2.35	26
27	-1.15 -1.20	2.95 2.72	1.64 3.29	-0.53 -2.56	1.93 4.47	0.45 -1.79	1.85 3.57	-0.88 -2.99	2.92 2.94	-2.29 -2.29	3.29 2.90	-2.54 -2.30	27
28	-0.36 -1.07	3.49 2.72	1.87 3.02	-0.11 -2.62	2.75 3.83	0.00 -2.79	2.10 3.48	-1.12 -2.79	3.32 2.73	-2.07 -1.73	3.33 2.45	-3.02 -1.71	28
29	2.27 3.28	-0.85 -1.83	2.01 3.66	-0.10 -2.77	2.05 3.81	-0.41 -3.12	2.40 3.11	-1.36 -2.64	2.90 2.79	-1.33 -2.10	3.72 2.57	-2.92 -1.19	29
30	2.27 3.30	-0.63 -2.33	2.14 3.85	0.12 -2.74	2.05 3.80	-0.56 -3.22	2.90 3.19	-1.33 -0.87	2.79 3.32	-2.10 -1.00	3.80 3.74	-2.78 -2.64	30
31	2.14 3.44	-0.37 -2.52			1.67 2.84	-1.38 -3.30	3.19 3.32	-0.87 -1.00			2.76 3.20	-2.64 -0.15	31
	MAXIMUM	3.50		3.85		4.47		3.74		3.81		3.85	MAXIMUM
	MINIMUM	-2.54		-2.77		-3.30		-3.30		-3.35		-3.02	MINIMUM

LOCATION: LAT. 38 02 27 LONG. 122 08 04, SW SEC. 6, T2N, R2W,
ON CHANNEL SIDE OF WHARF IMMEDIATELY SE OF BENICIA.

PERIOD OF RECORD: 1929 TO DATE
INTERMITTENT 1929 TO 1940

TABLE B-12 (CONTINUED)
DAILY TIDES
EQ3300 SUI SUN MAY AT RENICIA
(APRIL 1, 1975 THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE	
1	3.00 1.76	-2.84 0.00	2.60 2.02	-2.60	-0.13 1.61	2.06	-0.80 -1.07	0.94 2.61	-1.52 0.34	1.21 3.05	-2.16 -0.03	1.77 3.15	1	
2	2.47 1.67	-2.60	0.11 -2.03	1.97 2.04	-0.43 -1.14	1.50 2.88	-1.21 -0.56	0.86 2.74	-1.04 0.49	1.44 3.25	-2.37 -0.27	2.05 3.40	2	
3	0.31 -2.04	2.32 2.00	-0.27 -2.07	1.71 2.24	-0.82 -0.53	1.36 3.06	-1.03 -0.28	0.87 2.98	-2.08 0.48	1.75 3.37	-2.38 -0.67	2.36 3.52	3	
4	0.58 -1.77	2.37 2.44	-0.80 -2.10	1.23 2.13	-1.17 0.08	1.76 3.39	-1.94 0.05	1.24 3.18	-2.07 0.33	2.06 3.79	-2.25 1.00	2.66 -1.37	4	
5	0.42 -1.73	2.35 2.47	-1.32 -1.71	1.02 2.11	-1.40 0.12	1.91 3.52	-2.25 0.14	1.48 3.46	-2.24 0.05	2.22 3.42	3.48 2.87	-2.12 -1.37	5	
6	-0.28 -1.18	2.29 2.47	-1.84 -1.42	1.23 2.39	-1.67 0.29	2.13 3.73	-2.45 0.26	1.73 3.66	-2.31 -0.47	2.24 3.14	3.26 3.14	-2.01 -1.49	6	
7	-0.90 -1.61	2.20 2.73	-2.15 -1.14	1.48 2.72	-2.87 0.30	2.21 3.88	-2.63 0.00	1.64 3.76	-2.05 2.20	3.09 3.49	1.61 -1.56	7		
8	-1.25 -1.60	2.34 2.71	-2.27 -0.84	1.73 2.95	-2.35 0.44	2.37	-2.69 0.00	2.07	3.42 2.50	-2.56 -1.18	2.87 3.66	-1.16 -1.74	8	
9	-1.72 -1.19	2.33	-2.56 -0.75	1.83 3.04	3.91 2.46	-2.60 4.45	3.77 2.12	-2.68 -0.29	3.27 2.68	-2.24 -1.20	2.84 3.88	-1.66 -1.73	9	
10	2.91 2.37	-2.04 -1.04	-2.83 -0.65	1.81	4.01 2.67	-2.54 0.56	3.61 2.30	-2.74 -0.42	2.49 3.17	-1.46 -1.15	2.37 3.67	-0.66	10	
11	3.05 2.33	-2.24 -0.83	3.05 1.70	-3.11 -0.51	4.09 2.68	-2.49 0.37	3.42 2.48	-2.53 -0.63	2.71 3.45	-1.50 -1.31	-1.71 0.03	2.65 3.63	11	
12	3.13 2.20	-2.35 -0.57	3.13 2.01	-3.10 -0.09	3.84 2.67	-2.63 0.18	3.12 2.77	-2.47 -0.75	2.23 3.42	-1.23	-1.67 0.30	2.17 3.42	12	
13	3.24 2.36	-2.32 -0.10	3.41 2.22	-2.88 -0.18	3.65 2.88	-2.60 0.03	2.85 3.10	-2.11 -0.74	-1.61 -0.92	1.46 3.45	-1.78 0.30	2.71 3.15	13	
14	3.42 2.30	-2.24 0.08	3.52 2.06	-2.75 0.00	3.22 3.00	-2.27 -0.26	2.55 3.32	-1.60 -0.33	-1.71 -0.33	1.71 3.42	-1.91 0.07	2.74 3.03	14	
15	3.31 2.12	-2.63 0.34	3.15 2.20	-2.90 0.16	2.85 3.16	-1.94 -0.16	-1.09 -1.49	1.97 3.30	-1.07 0.01	1.77 3.44	-1.98 -0.27	2.32 2.92	15	
16	3.13 2.01	-2.60 0.47	2.92 2.45	-2.87 0.10	-0.64 -1.80	2.38 3.39	-1.66 -0.94	1.52 3.46	-1.98 0.12	1.93 3.33	-1.98 -0.61	2.18 2.85	16	
17	2.88 1.93	-2.62 0.34	2.59 2.49	-2.81	-1.08 -1.08	1.91 3.61	-1.79 -0.27	1.76 3.52	-2.09 -0.07	2.08 3.36	-1.98 -0.79	2.44 2.91	17	
18	2.47 1.81	-2.76 -0.34	2.31 2.89	-2.81	-1.64 -0.56	1.86 3.79	-2.07 -0.16	1.70 3.57	-2.21 -0.21	2.18 3.35	-1.80 -1.05	2.59	18	
19	0.05 -2.70	2.15 2.01	-0.80 -1.90	2.14 3.14	-1.86 -0.58	1.94 3.72	-2.22 0.08	1.97 3.66	-2.23 -0.43	2.22 3.14	2.75 2.60	-1.69 -1.71	19	
20	-0.54 -2.62	2.12 2.53	-1.44 -2.23	1.59 3.12	-2.44 -0.12	2.01 3.87	-2.39 -0.05	2.07 3.61	-2.28 -0.33	2.34 2.72	2.65 2.72	-1.57 -1.47	20	
21	-1.09 -2.26	2.41 3.02	-2.49 -1.40	1.87 3.49	-2.57 -0.03	2.13 3.85	-2.38 -0.02	2.14	3.17 2.34	-1.97 -0.52	2.52 2.82	-1.15 -1.66	21	
22	-1.67 -2.22	2.43 3.18	-2.73 -1.04	2.03 3.62	-2.60 -0.10	2.19	3.65 2.32	-2.35 -0.08	2.38 2.52	-1.93 -0.79	2.29 2.69	-1.28 -1.89	22	
23	-2.12 -1.95	2.45 3.47	-2.87 -0.73	2.19 3.81	-2.74 -0.03	2.37	3.84 2.37	-2.74 -0.19	3.55 2.37	-2.31 -0.19	2.83 2.39	-1.78 -1.01	1.90 2.66	23
24	-2.42 -1.18	2.82	-2.99 -0.26	2.33	3.71 2.17	-2.76 -0.25	3.34 2.42	-2.21 -0.22	2.60 2.64	-1.05 -1.08	1.80 2.76	-0.64 -2.81	24	
25	3.79 2.45	-2.64 -1.12	3.92 2.40	-3.00 -0.13	3.26 2.06	-3.06 -0.30	3.17 2.55	-2.10 -0.21	2.32 2.63	-1.36 -1.04	1.69 2.83	-0.15 -1.41	25	
26	3.56 2.29	-3.17 -0.99	3.81 2.50	-2.97 -0.09	2.94 2.24	-2.86 -0.08	2.91 2.75	-1.81 -0.20	2.16 2.65	-1.01 -1.11	1.72 2.83	0.21 -1.49	26	
27	3.50 2.12	-3.25 -0.67	3.72 2.45	-2.88 0.18	2.69 2.24	-2.68 -0.24	2.65 2.87	-1.39 -0.38	1.78 2.77	-0.74 -1.42	1.55 2.63	0.30	27	
28	3.35 2.14	-3.24 -0.21	3.36 2.45	-2.81 0.36	2.22 2.37	-2.44 -0.17	2.37 3.04	-1.19 -0.38	1.28 2.65	-0.40 -0.74	-2.08 0.37	1.65 2.71	28	
29	3.28 2.19	-2.97 0.12	3.08 2.62	-2.74 0.64	1.93 2.46	-1.95	1.94 2.95	-0.88	-1.73 -0.11	1.04 2.57	-2.03 0.17	1.99 2.78	29	
30	2.96 2.21	-2.74 0.29	2.85 2.79	-2.16 0.43	-0.38 -1.63	1.36 2.51	-0.78 -0.47	1.33 2.84	-1.98 0.28	1.09 2.80	-2.17 -0.36	2.72 2.84	30	
31		2.38 2.74	-1.87				-1.22 -0.06	1.02 2.81	-2.04 -0.42	1.57 3.09			31	
MAXIMUM	3.79		3.92		4.09		3.77		3.92		3.68		MAXIMUM	
MINIMUM	-3.25		-3.11		-3.06		-2.74		-2.65		-2.37		MINIMUM	

MAXIMUM GAGE HEIGHT OF RECORD: 5.7 - 4/6/58

ZERO OF GAGE: 1929 TO 1940 -2.21 USCS
1940 TO 1962 -3.00 USCS
1962 TO DATE 0.00 USCS

TABLE B - 13

CONTENTS OF RESERVOIRS

(IN ACRE FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A55527	FRENCHMAN LAKE NEAR CHILCOOT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	38,024	37,699	37,599	37,949	38,577	39,263	39,276	41,817	50,194E	44,885	40,776	32,565	1
2	38,024	37,699	37,612	37,974	38,653	39,276	39,263	42,230	50,120E	44,844	40,528	32,432	2
3	37,974	37,686	37,724	38,011	38,678	39,302	39,212	42,619	50,031E	44,802	40,242E	32,339	3
4	37,961	37,674	37,736	38,024	38,742	39,315	39,212	42,861	49,957E	44,747	39,957E	32,215	4
5	37,899	37,662	37,749	38,049	38,767	39,366	39,200	43,037	49,869E	44,705	39,686	32,092	5
6	NR	37,662	37,749	38,111	38,792	39,391	39,136	43,308E	49,795	44,664	39,315	31,969	6
7	37,836	37,662	37,761	38,136	38,818	39,481	39,110	43,580E	49,633	44,581	38,996	31,846	7
8	37,824	37,637	37,724	38,212	38,843	39,532	39,059	43,853E	49,427	44,498	38,653	31,724E	8
9	37,799	37,637	37,736	38,199	38,983	39,558	39,008	44,333E	49,207	44,360	38,363	31,602E	9
10	37,799	37,624	37,736	38,237	39,008	39,558	38,970	44,816E	49,002	44,195	38,024	31,547E	10
11	37,786	37,624	37,761	38,224	39,059	39,571	38,932	45,233E	48,754	44,017	37,699	31,436	11
12	37,749	37,624	37,749	38,237	39,123	39,558	38,907	45,652E	48,521	43,825	37,376	31,304	12
13	37,749	37,612	37,736	38,249	NR	39,532	38,983	46,144E	48,274	43,634E	37,055	31,172	13
14	37,736	37,612	37,736	38,262	NR	39,481	39,021	46,639E	48,028	43,471E	36,735	31,062	14
15	37,736	37,599	37,736	38,275	NR	39,430	39,059	47,138E	47,740	43,321E	36,417	30,975	15
16	37,739	37,587	37,786	38,275	NR	39,391	39,098	47,567E	47,453	43,186E	36,102	30,843	16
17	37,724	37,587	37,786E	38,300	NR	39,340	39,123	NR	47,123	43,077E	35,763	30,745	17
18	37,711	37,574	37,786E	38,300	NR	39,302	39,174	NR	46,867	42,969E	35,487	30,636	18
19	37,699	37,550	37,786E	38,312	39,443	39,276	39,276	NR	46,611	42,861E	35,236	30,528	19
20	37,674	37,562	37,786E	38,312	39,430	39,238	39,404	NR	46,356	42,754E	34,939	30,387	20
21	37,711	37,624	37,786E	38,312	39,417	39,327	39,507E	NR	46,088	42,659E	34,714	30,268	21
22	37,674	37,637	37,786E	38,338	39,391	39,289	39,686E	NR	45,792	42,565E	34,420	30,128	22
23	37,674	37,624	37,786E	38,350	39,379	39,276	39,918E	NR	45,470	42,471E	34,104	30,021	23
24	37,649	37,587	37,786E	38,375	39,366	39,302	40,294E	NR	45,331	42,378E	33,802	29,913	24
25	37,662	37,612	37,786E	38,388	39,327	39,366	40,541E	NR	45,247	42,244	33,547	29,774	25
26	37,649	37,612	37,786E	38,363	39,302	39,379	40,776E	NR	45,177	42,044E	33,374	29,646	26
27	37,674	37,612	37,786E	38,363	39,289	39,379	NR	NR	45,108	41,844E	33,237	29,529	27
28	37,686	37,587	37,786E	38,363	39,276	39,353	NR	50,269E	45,080	41,645E	33,111	29,401	28
29	37,699	37,587	37,799	38,338	39,353	NR	NR	50,269E	45,010	41,446E	32,974	29,285	29
30	37,699	37,599	37,961	38,338	39,340	NR	41,446E	50,269E	44,941	41,222E	32,837	29,158	30
31	37,711	37,961	38,388	38,388	39,315	39,315	50,269E	50,269E	44,999	40,999	32,712	29,158	31
CHNG	-338	-112	+362	+427	+888	+39	+2,131	+8,823	-5,328	-3,942	-8,287	-3,554	CHNG
MAX.	38,024	37,699	37,961	38,388	NR	39,571	41,446	NR	50,194	44,885	40,776	32,565	MAX.
MIN.	37,649	37,550	37,599	37,949	38,577	39,263	38,907	NR	44,941	40,999	32,712	29,158	MIN.

WATER YEAR SUMMARY

E - ESTIMATED
NR - NO RECORD

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
NR					29,158	5567.9	9	30	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R MO B & M	OF RECORD			INFLOW	CONTENT		PERIOD		REF DATUM
			CFS	GAGE HT.	OATE				FROM	TO	
39 53 36	120 11 17	NE 33 24N 16E					JAN 1962-DATE		1962		5500.00 USCGS
Station located at toe of Frenchman Dam on Little Last Chance Creek, 7.1 miles north of Chilcoot.											
Frenchman Dam was completed in October 1961 and storage began in November 1961. The lake has a usable capacity of 53,582 acre-feet between elevations 5517 feet (invert of intake) and 5588 feet (crest of spillway). Not available for release, 1,835 acre-feet.											
Daily content given is shown at 2400 hours.											
Drainage area is 81.1 square miles.											

TABLE B - 13 (CONT.)
CONTENTS OF RESERVOIRS
 (IN ACRE FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A55383	LAKE DAVIS NEAR PORTOLA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	70,945	68,871	68,115	68,655	60,877	63,125	65,805	65,664	79,380	79,653	76,677	74,363	1
2	70,909	68,763	68,044	68,475	60,877	63,193	65,594	66,016	79,536	79,536	76,601	74,251	2
3	70,799	68,655	68,439	68,080	61,587	63,193	65,594	66,653	79,458	79,458	76,486	74,175	3
4	70,762	68,583	68,475	67,829	61,791	63,193	65,699	67,008	79,731	79,380	76,372	74,063	4
5	70,579	68,547	68,439	67,507	61,791	63,262	65,664	67,222	79,887	79,302	76,219	73,988	5
6	70,469	68,403	68,403	67,329	61,791	63,297	65,594	67,364	80,122	79,224	76,105	73,875	6
7	70,360	68,475	68,403	67,115	61,791	63,849	65,523	67,614	80,318	79,107	75,991	73,838	7
8	70,396	68,403	68,367	67,150	61,859	64,196	65,383	68,044	80,318	79,030	75,991	73,725	8
9	70,360	68,331	68,331	66,830	62,336	64,231	65,243	68,779	80,397	78,874	75,915	73,725	9
10	70,250	68,223	68,331	66,476	62,336	64,266	65,208	69,632	80,397	78,797	75,762	73,875	10
11	70,104	68,223	68,331	66,193	62,302	64,266	65,033	70,506	80,436	78,719	75,648	73,838	11
12	69,995	68,151	68,439	65,875	62,747	64,266	64,858	71,386	80,436	78,603	75,573	73,838	12
13	69,922	68,115	68,367	65,559	62,918	64,439	64,848	72,273	80,436	78,525	75,535	73,875	13
14	69,850	68,008	68,403	65,243	63,021	64,405	64,823	73,127	80,397	78,448	75,383	73,763	14
15	69,777	67,972	68,439	64,963	62,953	64,579	64,753	73,763	80,357	78,370	75,307	73,688	15
16	69,704	67,972	68,367	64,648	63,021	64,614	64,648	74,401	80,357	78,293	75,194	73,613	16
17	69,632	67,829	68,403	64,300	63,021	64,579	64,544	75,004	80,318	78,216	75,080	73,538	17
18	69,523	67,936	68,367	64,023	62,987	64,579	64,439	75,411	80,436	78,138	75,194	73,463	18
19	69,450	67,900	68,367	63,711	63,159	64,788	64,405	76,372	80,397	78,061	75,459	73,389	19
20	69,414	67,793	68,331	63,400	63,193	64,788	64,370	76,677	80,357	77,945	75,345	73,314	20
21	69,269	68,295	68,331	63,125	63,159	65,278	64,370	76,831	80,318	77,907	75,459	73,239	21
22	69,197	68,259	68,295	62,815	63,159	65,313	64,370	77,099	80,240	77,752	75,345	73,165	22
23	69,088	68,259	68,295	62,507	63,125	65,313	64,405	77,445	80,122	77,675	75,231	73,090	23
24	68,980	68,259	68,187	62,200	63,125	65,359	64,893	77,752	80,201	77,598	75,118	72,978	24
25	68,907	68,259	68,187	61,825	63,090	65,840	64,998	77,868	80,161	77,483	75,042	72,904	25
26	68,835	68,223	68,115	61,655	63,090	65,875	64,998	78,138	80,083	77,368	74,967	72,867	26
27	68,799	68,223	68,727	61,350	63,090	65,911	64,998	78,216	80,044	77,252	74,778	72,755	27
28	68,980	68,223	68,727	61,012	63,125	65,875	65,068	78,409	79,927	77,137	74,702	72,681	28
29	68,907	68,187	68,691	60,709	65,840	65,208	78,680	79,587	77,022	74,627	74,627	72,606	29
30	68,835	68,151	68,691	60,373	65,911	65,418	78,835	79,731	76,945	74,552	74,552	72,532	30
31	68,907		68,655	60,339		65,875		79,069		76,792	74,439		31
CHNG	-2,112	-756	+504	-8,316	+2,786	+2,750	-457	+13,651	+662	-2,939	-2,353	-1,907	CHNG
MAX	70,945	68,871	68,727	68,655	63,193	65,911	65,805	79,069	80,436	79,653	76,677	74,363	MAX
MIN	68,799	67,793	68,044	60,339	60,877	63,125	64,370	65,664	79,380	76,792	74,439	72,532	MIN

WATER YEAR SUMMARY

E — ESTIMATED
 NR — NO RECORD

MAXIMUM				MINIMUM			
CONTENT	GAGE HT.	MO	DAY	CONTENT	GAGE HT.	MO	DAY
80,436	5774.0	6	18	60,339	5768.5	1	31
			2400				2400

LOCATION		MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R N D B & M	OF RECORD			INFLOW	CONTENT	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
39 53 03	120 38 31	SW 1 23N 13E					DEC 1966-DATE	1966		5700.00 USCGS

Station located near left abutment of Grizzly Valley Dam on Big Grizzly Creek, 5.3 miles north of Portola. Grizzly Valley Dam, creating Lake Davis, was completed in September 1967; however, storage by the contractor in order to test the outlet works, began on October 18, 1966. The lake has a usable capacity of 84,043 acre-feet between elevations 5700 feet (top of low-level intake) and 5775 feet (crest of spillway). Not available for release 108 acre-feet. Daily content given is shown at 2400 hours. Drainage area is 44.0 square miles.

TABLE B - 13 (CONT.)

CONTENTS OF RESERVOIRS

(IN ACRE FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A5473	ANTELOPE LAKE NEAR BOULDER CREEK GUARD STATION

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	20,596	20,094	19,963	20,033	14,175E	14,430	16,919	21,220	24,093	22,940	22,491	21,085	1
2	20,578	20,094	19,955	19,998	13,999E	14,488	17,022	21,518	24,112	22,912	22,445	21,031	2
3	20,551	20,094	19,990	19,773	13,790E	14,660	17,077	22,140	24,054	22,903	22,399	20,986	3
4	20,534	20,094	20,024	19,575	13,651E	14,711	17,172	22,482	23,996	22,893	22,334	20,951	4
5	20,507	20,094	20,024	19,378	13,617E	14,763	17,235	22,743	23,958	22,874	22,278	20,915	5
6	20,481	20,094	20,024	19,199	13,630E	14,841	17,243	23,006	23,929	22,865	22,223	20,870	6
7	20,463	19,998	20,033	19,030	13,637E	14,987	17,291	23,242	23,842	22,856	22,167	20,835	7
8	20,445	19,998	20,016	18,870	13,651E	15,104	17,347	23,470	23,737	22,837	22,112	20,790	8
9	20,428	19,990	20,016	18,652	13,665E	15,177	17,403	23,670	23,660	22,818	22,057	20,764	9
10	20,401	19,981	20,007	18,436	13,686E	15,229	17,435E	23,842	23,594	22,809	22,011	20,746	10
11	20,375	19,981	20,033	18,230	13,755	15,281	17,491E	24,016	23,527	22,799	21,956	20,737	11
12	20,357	19,981	20,051	18,025	13,762	15,325	17,571E	24,073	23,460	22,790	21,901	20,701	12
13	20,340	19,981	20,059	17,822	13,845	15,377	17,668E	24,170	23,422	22,781	21,855	20,686	13
14	20,322	19,963	20,068	17,619	13,971	15,414	17,789E	24,277	23,356	22,771	21,800	20,666	14
15	20,304	19,963	20,077	17,411	14,034	15,466	17,535E	24,277	23,318	22,762	21,755	20,630	15
16	20,278	19,955	20,077	17,212	14,076	15,511	18,099E	24,189	23,261	22,762	21,700	20,595	16
17	20,261	19,911	20,077	17,085	14,111	15,555	18,263E	24,218	23,204	22,762	21,645	20,568	17
18	20,243	19,911	20,068	16,794	14,132	15,615	18,445E	24,306	23,195	22,734	21,654	20,533	18
19	20,217	19,911	20,059	16,591	14,154	15,765	18,636E	24,396	23,204	22,734	21,663	20,498	19
20	20,190	19,894	20,059	16,382	14,210	15,848	18,803E	24,122	23,185	22,725	21,645E	20,454	20
21	20,173	19,963	20,059	16,175	14,246	16,008	19,013E	23,958	23,147	22,715	21,618	20,418	21
22	20,164	19,963	20,051	15,985	14,267	16,076	19,216E	23,939	23,119	22,706	21,582	20,374	22
23	20,138	19,963	20,024	15,773	14,281	16,122	19,429E	24,006	23,072	22,687	21,536	20,330	23
24	20,120	19,963	20,024	15,585	14,295	16,229	19,644E	24,073	23,072	22,678	21,491	20,295	24
25	20,103	19,972	20,016	15,377	14,316	16,390	19,877E	24,083	23,062	22,659	21,466	20,251	25
26	20,085	19,972	20,007	15,209E	14,338	16,498	20,042E	24,035	23,044	22,640	21,400	20,216	26
27	20,077	19,972	20,042	15,025E	14,359	16,584	20,181E	24,054E	23,015	22,612	21,337	20,173	27
28	20,085	19,972	20,068	14,843E	14,388	16,622	20,392E	24,073E	22,987	22,594	21,292	20,138	28
29	20,085	19,972	20,051	14,661E		16,685	20,657E	24,083E	22,960	22,575	21,238	20,094	29
30	20,085	19,972	20,051	14,482E		16,770	20,906	24,093E	22,950	22,538	21,193	20,059	30
31	20,085		20,042	14,303E		16,841		24,102E		22,529	21,139		31
CHNG MAX. MIN.	-537 20,596 20,077	-113 20,094 19,894	+70 20,077 19,955	-5,721 20,033 14,303E	+85 14,388 13,617E	+2,453 16,841 14,430	+4,065 20,906 16,919	+3,196 24,306 21,220	-1,152 24,112 22,950	-421 22,940 22,529	-1,390 22,491 21,139	-1,080 21,085 20,059	CHNG MAX. MIN.

WATER YEAR SUMMARY

E - ESTIMATED
NR - NO RECORD

CONTENT	MAXIMUM				CONTENT	MINIMUM			
	GAGE HT.	MO.	DAY	TIME		GAGE HT.	MO.	DAY	TIME
24,306	5003.8	5	18	2400	13,617	4990.9	2	5	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	DF RECORD			INFLOW	CONTENT	PERIOD		REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO	
40 10 42	120 36 20	SE 22 27N 12E					JAN 1964-DATE	1964		4900.00 USGS

Station located at toe of Antelope Dam on Indian Creek, 1.3 miles south of Boulder Creek Guard Station, 12 miles northeast of Genesee.

Antelope Dam was completed in July 1964; however, usable storage began on November 25, 1963. The lake has a usable capacity of 22,239 acre-feet between elevations 4950 feet (lip of intake tower) and 5002 feet (crest of spillway).

Daily content given is shown at 2400 hours.

Drainage area is 68.6 square miles.

TABLE B - 13 (CONT.)
CONTENTS OF RESERVOIRS
(IN THOUSANDS OF ACRE FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A51141	LAKE OROVILLE NEAR OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2,379.4	2,069.8	1,823.8	1,667.0	1,663.2	2,026.8	2,687.7	3,124.2	3,409.8	3,466.5	3,211.2	2,975.4	1
2	2,363.2	2,073.2	1,812.4	1,659.0	1,667.6	2,042.0	2,701.3	3,127.8	3,423.4	3,461.7	3,203.7	2,965.9	2
3	2,345.6	2,077.1	1,798.0	1,662.0	1,670.9	2,055.7	2,715.9	3,127.7	3,439.9	3,458.2	3,190.3	2,959.0	3
4	2,329.1	2,074.1	1,786.4	1,666.5	1,677.2	2,069.1	2,732.2	3,130.7	3,454.8	3,465.6	3,177.4	2,951.4	4
5	2,327.0	2,066.2	1,772.7	1,669.7	1,681.0	2,081.1	2,749.6	3,129.3	3,466.7	3,464.0	3,164.0	2,945.6	5
6	2,320.9	2,065.1	1,758.2	1,664.9	1,685.2	2,097.1	2,766.7	3,123.3	3,474.9	3,466.2	3,150.6	2,948.9	6
7	2,307.1	2,064.3	1,747.7	1,660.0	1,690.0	2,116.0	2,781.6	3,117.5	3,484.6	3,465.4	3,145.6	2,954.0	7
8	2,289.2	2,063.1	1,738.3	1,671.6	1,704.0	2,152.1	2,795.5	3,111.6	3,485.5	3,460.0	3,136.2	2,945.7	8
9	2,269.7	2,067.5	1,728.2	1,671.9	1,727.5	2,182.1	2,810.5	3,114.0	3,484.0	3,455.0	3,132.6	2,935.6	9
10	2,252.8	2,071.4	1,719.2	1,673.5	1,746.6	2,200.8	2,826.0	3,115.5	3,480.2	3,445.5	3,129.1	2,927.6	10
11	2,236.3	2,068.3	1,712.4	1,679.8	1,759.9	2,219.3	2,841.1	3,126.4	3,475.9	3,434.5	3,120.7	2,921.2	11
12	2,235.1	2,064.4	1,708.7	1,685.3	1,784.8	2,235.9	2,857.1	3,137.7	3,470.4	3,425.2	3,104.9	2,911.4	12
13	2,230.2	2,059.4	1,712.4	1,682.8	1,844.5	2,245.3	2,873.8	3,148.5	3,458.6	3,421.7	3,088.8	2,909.0	13
14	2,213.1	2,046.4	1,719.1	1,676.6	1,874.3	2,261.0	2,885.8	3,157.0	3,459.5	3,412.1	3,086.0	2,901.9	14
15	2,198.5	2,031.8	1,725.1	1,669.0	1,892.5	2,277.4	2,900.3	3,166.0	3,469.0	3,403.8	3,075.9	2,892.0	15
16	2,180.6	2,023.3	1,717.1	1,663.2	1,905.7	2,294.8	2,916.3	3,172.2	3,474.8	3,386.9	3,070.6	2,886.4	16
17	2,161.4	2,022.0	1,706.9	1,663.6	1,915.7	2,299.9	2,933.1	3,178.0	3,479.8	3,377.0	3,071.6	2,880.6	17
18	2,145.8	2,010.2	1,698.2	1,668.2	1,922.6	2,318.2	2,948.3	3,188.4	3,481.2	3,368.3	3,066.3	2,877.5	18
19	2,143.5	1,998.9	1,698.0	1,672.6	1,936.2	2,346.3	2,965.6	3,197.1	3,483.4	3,357.9	3,054.9	2,870.6	19
20	2,144.4	1,989.6	1,697.5	1,669.7	1,949.6	2,378.6	2,988.1	3,211.7	3,485.2	3,350.0	3,038.7	2,872.6	20
21	2,130.1	1,977.3	1,700.2	1,666.7	1,960.6	2,402.8	3,001.1	3,223.8	3,490.4	3,339.4	3,028.4	2,878.0	21
22	2,115.4	1,960.5	1,700.7	1,664.3	1,972.7	2,427.5	3,010.3	3,235.3	3,493.1	3,329.4	3,019.1	2,878.8	22
23	2,100.2	1,945.9	1,696.7	1,667.3	1,980.5	2,447.0	3,025.7	3,244.7	3,494.9	3,322.7	3,015.5	2,878.8	23
24	2,085.5	1,932.7	1,691.9	1,671.1	1,990.2	2,469.6	3,048.6	3,266.8	3,497.9	3,313.2	3,012.1	2,877.5	24
25	2,077.2	1,917.0	1,695.3	1,675.7	1,999.0	2,523.2	3,080.2	3,289.1	3,494.5	3,298.5	3,005.6	2,872.8	25
26	2,079.9	1,902.8	1,690.5	1,676.5	2,005.6	2,561.7	3,102.0	3,304.4	3,487.4	3,286.6	3,005.2	2,870.5	26
27	2,083.6	1,887.8	1,682.9	1,673.3	2,007.7	2,590.5	3,117.4	3,319.3	3,476.5	3,279.1	2,996.4	2,869.3	27
28	2,082.6	1,870.7	1,682.3	1,670.2	2,016.1	2,614.0	3,124.6	3,333.2	3,478.8	3,265.7	2,991.0	2,869.8	28
29	2,077.4	1,855.8	1,686.1	1,667.9	2,030.1	2,635.0	3,129.3	3,347.4	3,485.1	3,249.4	2,990.6	2,865.1	29
30	2,073.4	1,840.1	1,678.4	1,665.8	2,045.0	2,655.0	3,127.1	3,363.7	3,475.9	3,238.1	2,987.3	2,857.5	30
31	2,072.6		1,667.1	1,662.1	2,062.0	2,673.6	3,123.9	3,385.6		3,224.9	2,983.9		31
CIRG	-324.4	-232.5	-173.0	-5.0	+354.0	+657.5	+453.5	+258.5	+90.3	-251.0	-241.0	-126.4	CIRG
MAX.	2,379.4	2,077.1	1,823.8	1,685.3	2,016.1	2,673.6	3,123.9	3,385.6	3,497.9	3,466.5	3,211.2	2,975.4	MAX
MIN.	2,072.6	1,840.1	1,667.1	1,662.0	1,663.2	2,026.8	2,687.7	3,113.6	3,409.8	3,224.9	2,983.9	2,857.5	MIN

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

• - DISCHARGE MEASUREMENT OR

OBSERVATION OF NO FLOW

- E AND •

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	CONTENT	GAGE HT	MO.	DAY	TIME	CONTENT	GAGE HT	MO.	DAY	TIME	
3,497,909	897.48	6	24	2400		1,662,119	748.34	1	31	2400	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M O B S M	OF RECORD			INFLOW	CONTENT		PERIOD		REF DATUM
			CFS	GAGE HT	DATE				FROM	TO	
39 32 06	121 28 24	SW 1 19N 4E							NOV 1967-DATE	1967	0.47 USGS

Recorder located near intake structure at left end of Oroville Dam, on the Feather River, 4 miles northeast of Oroville. Lake Oroville has a normal gross storage capacity of 3,338,000 acre-feet at the normal maximum water surface elevation of 900 feet. The active operating storage capacity is 2,686,000 acre-feet above the elevation 640 feet (minimum power pool). Drainage area is 3,611 square miles. Storage began November 14, 1967. Daily content given is shown at 2400 hours.

TABLE B - 13 (CONT.)
CONTENTS OF RESERVOIRS

(IN THOUSANDS OF ACRE FEET)

WATER YEAR	STATION NO	STATION NAME
1975	A65105	CAMP FAR WEST RESERVOIR NEAR SHERIDAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	81.6	88.0	95.6	100.6	105.3	105.1	106.8	106.1	105.9	102.3	88.2	75.9	1
2	81.7	88.4	96.1	100.6	107.4	105.1	106.6	106.4	105.9	102.1	87.7	75.6	2
3	81.9	88.8	96.5	100.6	107.2	104.8	106.4	106.6	105.9	101.8	87.1	75.3	3
4	82.2	89.2	96.9	100.8	107.4	104.8	106.6	106.6	105.9	101.8	86.7	75.1	4
5	82.4	89.5	97.1	100.8	106.4	105.1	107.4	106.6	105.9	101.6	86.4E	74.8	5
6	82.5	89.9	97.3	102.3	105.7	105.1	107.2	106.6	105.7	101.4	85.8E	74.3	6
7	82.7	90.7	97.4	104.4	105.7	106.1	106.8	106.6	105.7	101.2	85.3E	73.7	7
8	82.9	91.8	97.6	106.1	106.4	107.7	106.8	106.4	105.7	101.0	84.8E	72.9	8
9	83.0	92.6	97.6	105.5	107.7	107.4	106.8	106.4	105.5	100.5	84.3E	72.2	9
10	83.2	92.9	97.8	105.3	107.2	107.0	106.6	106.4	105.5	100.1	83.8E	71.6	10
11	83.3	93.1	97.8	105.1	106.4	106.6	106.4	106.6	105.5	99.5	83.5E	70.9	11
12	83.3	93.3	98.0	104.8	109.2	106.4	106.4	106.6	105.5	99.1	83.0E	70.3	12
13	83.5	93.5	98.0	104.8	109.8	106.4	106.4	106.6	105.5	98.8	82.5E	69.7	13
14	83.7	93.5	98.2	104.6	107.4	106.4	106.1	106.6	105.3	98.0	82.1E	69.1	14
15	83.7	93.7	98.2	104.6	106.4	106.1	106.4	106.6	105.1	97.4	81.6E	68.5	15
16	83.8	93.7	98.2	104.6	105.7	106.8	106.1	106.4	104.8	97.1	81.3E	68.2	16
17	84.0	93.7	98.2	104.4	105.5	106.4	106.1	106.4	104.6	96.5	80.8E	68.0	17
18	84.0	93.9	98.4	104.4	105.3	106.1	105.9	106.4	104.4	96.1	80.3E	67.5	18
19	84.2	93.9	98.4	104.4	105.7	106.6	105.9	106.1	104.4	95.6	80.1E	67.1	19
20	84.3	93.9	98.4	104.4	105.9	106.8	105.9	106.1	104.4	95.0	80.0E	67.0	20
21	84.3	94.2	98.4	104.4	105.5	108.3	105.9	106.1	104.4	94.4	79.8	66.7	21
22	84.5	94.4	98.4	104.4	105.3	108.3	105.9	106.1	104.2	93.7	79.5	66.4	22
23	84.6	94.6	98.6	104.4	105.3	107.7	105.9	106.1	104.0	93.1	79.3	66.3	23
24	84.6	94.8	98.6	104.4	105.3	108.5	106.4	106.1	103.8	92.6	79.0	66.1	24
25	84.8	95.0	98.6	104.4	105.1	112.2	107.0	105.9	103.6	92.0	78.7	66.0	25
26	84.8	95.4	98.6	104.4	105.1	109.6	107.0	106.1	103.5	91.2	78.2	65.9	26
27	84.8	95.4	98.8	104.4	105.1	108.3	106.8	106.1	103.5	90.7	77.7	65.7	27
28	84.8	95.6	99.9	104.4	107.7	106.6	106.1	106.1	103.3	89.9	77.2	65.6	28
29	85.4	95.6	100.3	104.4	107.4	105.9	105.9	106.1	103.1	89.4	77.1	65.3	29
30	87.1	95.6	100.5	104.4	107.0	107.0	105.7	105.9	102.7	89.2	76.7	65.2	30
31	87.7		100.5	104.6	107.0	107.0		105.9		88.6	76.4		31
CHNG	+6.3	+7.9	+4.9	+4.1	+0.5	+1.9	-1.3	+0.2	-3.2	-14.1	-12.2	-11.2	CHNG
MAX	87.7	95.6	100.5	106.1	109.8	112.2	107.4	106.6	105.9	102.3	88.2	75.9	MAX
MIN.	81.6	88.0	95.6	100.6	105.1	104.8	105.7	105.9	102.7	88.6	76.4	65.2	MIN.

WATER YEAR SUMMARY

E — ESTIMATED
NR — NO RECORD

MAXIMUM					MINIMUM				
CONTENT	GAGE HT	MO	DAY	TIME	CONTENT	GAGE HT	MO	DAY	TIME
113.3	304.10	3	25	1445	65.2	276.91	9	30	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			INFLOW	CONTENT	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
39 03 00	121 18 53	SW 21 14N 6E					MAR 1966-DATE	1966		USGS

Station located near left abutment of Camp Far West Dam on the Bear River 6.4 miles east of Wheatland and 11.8 miles northwest of Sheridan. Camp Far West Reservoir, owned and operated by the South Sutter Irrigation District, began storage September 30, 1963. Station was installed March 1966, jointly by the South Sutter Irrigation District and the Department of Water Resources. The lake has a usable capacity of 139,600 acre-feet between the elevation 175.00 feet and 316.3 feet (top of spillway gate). Drainage area is 283 square miles. Daily content given is shown at 2-00 hours.

TABLE B-14

DAILY INFLOW

This table presents the daily inflow rates to Folsom, Shasta, and Whiskeytown Lakes. The daily inflow rates were computed from information about changes in storage, releases, spills, precipitation, and evaporation. The computed values represent the flow at each damsite as if the dam did not exist.

TABLE B - 14 (CONT.)

DAILY INFLOW

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO	STATION NAME
1975	A21051	INFLOW TO SHASTA LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4,450	4,600	4,140	5,330	5,700	9,700	14,690	13,880	11,810	4,820	5,440	2,830	1
2	5,230	4,700	6,800	5,390	6,490	19,820	14,290	13,470	10,460	4,850	2,770	5,200	2
3	4,860	4,630	18,470	5,710	9,860	17,710	14,340	14,690	11,190	5,920	3,240	6,180	3
4	3,940	5,230	12,810	3,540	10,000	13,080	14,060	14,260	10,620	4,240	4,740	5,310	4
5	4,320	4,660	9,700	4,150	8,210	13,680	13,300	13,740	9,060	3,990	4,540	5,990	5
6	3,950	4,330	8,330	5,100	10,610	14,310	12,360	13,250	9,900	4,940	5,050	6,110	6
7	5,580	6,500	8,810	9,240	14,620	22,930	12,790	13,320	9,910	6,500	5,590	6,100	7
8	4,490	6,290	4,810	10,210	17,270	35,970	12,570	13,040	8,310	6,580	5,600	4,630	8
9	4,010	5,430	4,720	7,200	30,100	29,160	11,650	13,000	9,080	5,990	3,640	3,900	9
10	4,180	4,960	5,970	6,090	23,040	23,550	11,850	13,360	8,520	6,350	2,670	2,230	10
11	3,490	5,800	2,060	4,110	16,240	19,040	11,440	13,310	8,700	4,020	3,380	3,780	11
12	4,470	4,620	1,040	4,300	41,660	16,310	11,730	13,110	10,230	5,900	4,080	4,200	12
13	5,220	5,430	3,960	5,440	48,640	17,110	12,390	13,640	9,800	740	5,040	5,880	13
14	3,950	5,260	3,420	6,220	28,370	14,860	13,390	14,270	9,690	5,050	5,110	4,340	14
15	4,810	4,530	3,400	6,130	19,810	15,880	12,670	14,550	9,540	6,280	5,220	3,390	15
16	3,530	4,450	4,940	5,320	16,690	14,300	11,980	14,870	5,970	5,650	2,060	3,490	16
17	3,860	4,790	5,850	5,540	13,990	18,980	11,920	14,000	5,190	5,380	2,280	4,170	17
18	5,630	4,540	5,200	4,350	12,240	33,750	12,110	14,460	5,450	5,780	4,360	4,320	18
19	5,130	5,270	5,460	4,850	13,470	55,250	12,570	14,390	5,370	2,580	3,690	5,330	19
20	1,370	3,490	5,760	4,170	10,340	30,770	12,180	13,080	5,700	3,230	4,740	5,980	20
21	2,880	7,040	3,560	6,030	9,210	27,280	12,390	12,760	5,270	5,060	4,540	5,800	21
22	5,080	6,060	3,440	5,120	9,370	22,040	12,650	12,230	5,240	5,360	4,570	3,620	22
23	4,700	4,850	4,630	5,480	8,440	20,210	13,370	11,860	5,350	6,280	2,500	3,310	23
24	3,330	5,640	5,310	5,530	7,750	23,370	21,180	11,250	5,350	4,670	2,210	3,960	24
25	3,990	4,730	5,230	4,160	7,550	39,410	21,140	16,790	5,510	4,980	4,550	4,060	25
26	3,600	4,930	5,770	4,450	8,340	26,630	18,470	10,960	5,460	3,970	4,480	4,040	26
27	6,200	4,620	9,350	4,820	9,200	21,670	17,100	10,750	5,700	920	5,210	240	27
28	5,590	5,550	4,520	5,900	11,320	18,430	15,430	9,810	6,840	4,780	6,240	2,960	28
29	5,700	4,630	3,710	5,450		17,380	15,120	11,120	9,190	4,650	3,970	4,610	29
30	4,100	3,300	4,680	5,600		16,620	14,450	11,260	5,340	4,700	2,470	3,830	30
31	6,290		4,980	8,380		15,160		11,520		5,750	3,250		31
MEAN	4,385	5,033	5,833	5,591	15,312	22,786	18,853	12,903	7,798	4,665	4,169	4,334	MEAN
MAX.	6,290	7,040	18,470	30,210	48,640	55,250	21,180	14,870	11,810	6,580	6,240	6,180	MAX.
MIN.	1,370	3,100	1,040	3,540	5,700	9,700	11,440	9,810	5,190	590	2,060	240	MIN.
AC FT.	270,130	299,470	358,640	343,780	849,690	1,401,070	824,300	793,400	464,040	286,810	256,330	257,870	AC FT.

A - 25 hour day

B - 23 hour day

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR

OBSERVATION OF NO FLOW

- EAND *

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	DISCHARGE	GAGE HT	MO	DAY	ACRE FEET
8,848									6,405,530

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			INFLOW	CONTENT		PERIOD		ZERO ON GAGE
			CF3	GAGE HT	OATE				FROM	TO	
40 43 10	122 25 10	NW 15 33N 5W				NOV 1942-DATE	NOV 1942-DATE		1942		0.00
USGS											

The figures contained herein are computed inflow to Shasta Lake and take into account change in storage, release, spill, precipitation and evaporation. They are representative of the natural flow which would pass the damsite (9.5 miles north of Redding) if the dam had not been constructed. Records furnished by USBR. Drainage area, excluding Goose Lake Basin, is 6,665 square miles.

Shasta Lake has a usable capacity of 4,377,000 acre-feet between elevations 737.75 and 1065.0 feet above mean sea level. Not available for release, 115,700 acre-feet.

TABLE B - 14 (CONT.)

DAILY INFLOW

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A36171	INFLOW INTO WHISKEYTOWN LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1,840	360	340	390	720	1,160	4,310	1,720	2,780	2,900	1,270	2,810	1
2	1,780	380	810	360	570	1,960	4,180	1,690	2,870	2,820	2,930	2,760	2
3	1,740	290	2,550	440	800	1,650	4,210	1,730	3,400	2,860	1,170	2,840	3
4	1,770	300	1,290	360	770	1,330	4,150	1,660	3,870	2,920	1,110	2,890	4
5	1,840	350	660	460	720	1,370	4,140	1,750	3,880	2,880	950	2,880	5
6	1,820	370	610	570	970	1,310	4,010	1,730	3,870	2,870	1,230	2,750	6
7	1,520	410	510	700	1,120	3,950	1,680	3,960	2,780	2,780	1,470	2,800	7
8	1,320	390	540	1,020	1,800	8,490	3,910	1,710	4,020	2,940	1,040	2,790	8
9	1,850	350	430	810	3,190	4,300	3,870	1,710	4,010	2,810	1,060	2,790	9
10	1,380	340	460	630	2,180	2,930	3,760	1,660	4,010	2,870	1,060	2,820	10
11	1,240	480	450	640	1,330	2,140	3,810	1,420	3,960	2,860	2,950	2,740	11
12	1,610	400	430	550	3,340	1,730	3,830	1,780	3,750	2,790	2,390	2,760	12
13	1,720	340	470	760	3,400	1,550	3,870	1,240	3,270	2,900	3,120	2,750	13
14	1,730	420	490	720	1,990	1,580	3,900	2,820	2,570	2,840	3,220	2,750	14
15	1,680	430	490	750	1,340	2,060	3,850	2,570	3,300	2,910	3,080	1,680	15
16	1,880	440	390	550	1,000	2,200	3,760	2,360	3,790	2,830	2,760	1,670	16
17	1,750	420	540	500	790	2,540	3,750	1,390	3,740	2,880	2,870	1,590	17
18	1,660	500	720	540	1,100	3,790	3,710	1,400	3,650	2,830	2,740	1,640	18
19	3,640	480	500	610	1,100	3,700	3,740	1,320	3,060	2,880	2,850	1,370	19
20	3,680	480	600	560	970	2,540	3,710	410	2,740	2,820	2,750	1,630	20
21	3,690	820	460	520	910	2,550	3,720	420	2,910	1,250	2,830	1,620	21
22	3,370	490	520	640	900	1,880	3,710	380	3,510	1,350	2,890	1,560	22
23	3,400	420	490	530	900 B	1,720	3,860	430	2,800	1,480	2,790	1,270	23
24	3,430	370	380	500	930	2,080	4,340	1,490	2,890	970	2,750	1,580	24
25	3,370	430	470	500	890	3,640	4,240	2,100	3,080	1,980	2,790	1,530	25
26	3,430	360	400	550	930	2,900	3,980	2,070	2,830	2,770	2,830	1,620	26
27	3,610 A	400	790	500	840	2,070	3,970	2,390	2,870	1,250	2,790	1,580	27
28	3,610	370	770	480	910	2,490	3,870	2,250	2,820	1,280	2,770	1,580	28
29	3,490	340	460	460		2,500	1,820	2,400	2,950	1,270	2,780	1,650	29
30	3,570	340	470	460		2,530	1,520	2,820	2,830	1,210	2,780	1,500	30
31	3,590		390	710		3,570	2,710		2,790	1,250	2,790		31
MEAN	2,452	409	609	573	1,308	2,652	3,782	1,704	3,333	2,363	2,355	2,146	MEAN
MAX.	3,690	820	2,550	1,020	3,400	8,490	4,340	2,820	4,020	2,940	3,220	2,880	MAX.
MIN.	1,240	290	340	360	570	1,160	1,520	380	2,570	970	950	1,270	MIN.
AC. FT.	151,060	24,330	37,450	35,250	72,540	163,080	225,070	104,750	198,330	145,290	144,780	127,720	AC. FT.

A - 25 hour day

B - 23 hour day

WATER YEAR SUMMARY

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
1,974	DISCHARGE	DAGE HT	MO	DAY	TIME	DISCHARGE	DAGE HT	MO	DAY	TIME	1,429,650

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
40 03 03	122 31 31	32N 6W				MAY 1963-DATE	MAY 1963-DATE	1963		0.00	USCGS

The figures contained herein are computed inflow to Whiskeytown Reservoir and take into account change in storage, release, spill, precipitation, and evaporation. Records furnished by USER. Drainage area is 200 square miles.

Whiskeytown Reservoir has a usable capacity of 241,100 acre-feet between elevations 1100.0 feet and 1210.0 feet above mean sea level. Not available for release, 27,500 acre-feet.

TABLE B - 14 (CONT.)

DAILY INFLOW

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A71120	INFLOW TO FOLSOM LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1,890	2,320	1,290	1,510	2,660	3,300	6,270	6,810	9,250	2,620	2,240	2,250	1
2	1,630	1,760	2,320	1,430	4,890	3,000	5,970	7,090	8,700	3,140	2,020	2,230	2
3	2,220	900	2,560	1,840	3,330	3,270	5,920	7,570	8,680	3,230	1,750	2,030	3
4	2,350	1,730	3,120	2,100	5,160	3,730	6,030	8,190	8,390	2,830	1,460	2,390	4
5	1,900	2,040	2,570	1,400	3,660	4,060	6,070	7,090	8,620	2,140	1,860	3,080	5
6	1,230	2,110	2,350	2,800	1,670	4,830	5,110	6,270	8,710	2,410	1,760	2,500	6
7	1,280	1,890	2,090	4,930	3,660	5,220	5,160	5,980	8,580	2,160	1,780	2,160	7
8	2,170	1,900	1,530	6,840	3,450	7,780	5,630	6,280	7,920	3,000	2,040	2,250	8
9	1,790	1,890	1,630	4,840	8,370	6,240	5,580	6,880	7,770	2,270	1,900	2,300	9
10	2,040	1,180	1,590	2,900	10,090	5,310	5,410	7,580	6,910	2,410	1,610	2,400	10
11	1,970	1,740	1,580	2,050	6,230	5,040	5,270	8,130	6,630	2,360	1,260	2,230	11
12	1,660	2,240	1,810	1,920	4,690	4,930	5,320	8,380	6,470	2,280	1,970	2,260	12
13	1,090	2,480	1,710	1,770	11,520	5,270	4,720	9,360	6,190	2,040	1,840	2,180	13
14	1,650	2,260	1,860	2,470	8,770	4,740	5,940	10,130	6,380	2,040	1,880	2,270	14
15	1,940	2,410	1,320	3,100	5,930	4,620	5,630	10,360	6,420	2,640	1,770	2,020	15
16	1,730	1,640	1,500	2,770	3,820	5,920	5,390	8,740	6,310	2,230	1,920	2,200	16
17	2,010	1,380	1,950	2,960	3,170	4,920	5,330	9,150	6,230	2,130	1,720	2,290	17
18	2,040	1,980	1,990	2,310	3,000	5,290	5,100	9,910	5,970	2,570	1,490	1,990	18
19	1,610	2,240	1,990	1,820	3,610	4,400	4,900	10,240	5,430	2,290	1,970	1,870	19
20	1,400	2,160	1,970	1,730	5,880	5,320	4,210	9,470	4,990	1,250	2,160	2,010	20
21	1,360	2,600	2,010	2,480	5,300	6,240	4,790	7,990	4,240	1,750	2,570	2,200	21
22	1,950	3,040	1,610	2,180	4,210	9,180	5,350	7,310	3,180	2,630	2,600	2,020	22
23	2,130	2,410	1,290	2,730	3,430	6,470	5,680	7,560	2,530	2,130	1,920	2,160	23
24	2,040	1,610	1,920	2,340	3,580	6,610	5,780	8,120	3,680	1,950	2,420	2,230	24
25	2,140	2,080	1,200	2,300	3,550	29,890	9,750	8,610	3,280	2,710	2,240	2,420	25
26	1,620	2,720	1,240	1,840	3,350	17,440	7,220	8,310	3,230	1,960	1,960	2,600	26
27	2,070	2,590	2,030	1,800	3,440	11,330	5,920	8,480	2,930	1,640	1,960	2,370	27
28	1,590	1,800	3,060	2,930	3,780	8,940	5,940	8,650	2,890	1,350	1,940	2,100	28
29	1,820	1,720	1,600	2,950	7,460	6,140	8,750	2,270	1,810	1,910	1,910	2,110	29
30	1,940	1,700	1,690	2,000	5,860	6,270	8,790	2,830	1,570	2,350	2,350	2,320	30
31	2,410		1,990	2,820	6,610		8,790		1,840		2,090		31
MEAN	1,828	2,017	1,883	2,576	4,864	6,872	5,727	8,225	5,854	2,253	1,947	2,241	MEAN
MAX.	2,410	3,040	3,120	6,840	11,520	29,890	9,750	10,360	9,250	3,230	2,600	3,080	MAX.
MIN.	1,090	900	1,200	1,430	2,660	3,000	4,210	5,980	2,270	1,250	1,260	1,870	MIN.
AC. FT.	112,580	120,040	115,780	156,400	269,870	422,530	340,770	505,730	348,320	138,510	119,760	133,370	AC. FT.

A - 25 hour day
B - 23 hour day

WATER YEAR SUMMARY

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW
- EAND *

MEAN INFLOW	DISCHARGE	MAXIMUM	MINIMUM	TOTAL
3,848	GAGE MT.	GAGE MT. MO. DAY TIME	GAGE MT. MO. DAY TIME	ACRE FEET
				2,785,660

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R MOB & M	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE
			CF5	GAGE MT	DATE			FROM	TO	
38 42 29	121 09 22	NE 24 10N 7E				FEB 1955-DATE	FEB 1955-DATE	1955		0.00 USCGS

The figures contained herein are computed inflow to Folsom Reservoir and take into account change in storage, release, spill, precipitation, and evaporation. They are representative of the natural flow which would pass the damsite (2.3 miles northeast of Folsom) if the dam had not been constructed. Records furnished by USBR. Drainage area is 1,861 square miles.

TABLE B-15
GAGING STATION
ADDITIONS AND DISCONTINUATIONS

ADDITIONAL STATIONS

A15145	Burney Creek near Burney	10-1-74
A02380	Sacramento River at Meridian	12-20-74

DISCONTINUED STATIONS

A15150	Burney Creek near Burney	9-30-74
A81200	Cache Creek above Rumsey	7-3-75
A54750	Last Chance Creek at Dixie Refuge Damsite	9-30-75
A54455	Red Clover Creek above Abbey Bridge Damsite	9-30-75

PUBLICATIONS DISCONTINUED

B02920	Duck Creek Diversion near Farmington	9-30-74
B02870	Littlejohn Creek at Farmington	9-30-74

PUBLISHED DATA FROM PRIOR YEARS

A02570	Sacramento River at Ord Ferry	1973-74
--------	-------------------------------	---------

TABLE B-16

CORRECTIONS AND REVISIONS TO PREVIOUSLY
PUBLISHED REPORTS OF SURFACE WATER DATA

Corrections and revisions pertain to bulletins of surface water flows published from 1924 to date. These publications are:

Report 1. "Report of Sacramento-San Joaquin Water Supervision".
Published from 1924 through 1955.

Report 2. Bulletin No. 23,
"Surface Water Flow". Published
from 1956 through 1962.

Report 3. "Flood Flows and Stages
in Sacramento and Northern San
Joaquin Valleys". Published from
1913 through 1956.

Report 4. Bulletin No. 130,
"Hydrologic Data: Volume II,
Northeastern California".
Published from 1963 to date.

Corrections and revisions to surface water made prior to publication of Bulletin No. 130-68, "Hydrologic Data: Northeastern California", are in Bulletin No. 130-67. This report contains corrections made since publication of Bulletin No. 130-67.

TABLE 8-16

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

Location of Error or Revision					Change or Revision																						
Report	Page	Mile & Bank	Name	Item	From	To																					
4	286		Mokelumne River near Thornton	<u>1964</u> Datum of Gage	1964, -3.00 USCGS	1964, 0.00 USCGS																					
4	151		Sacramento River, Sacramento to Redding	<u>1966</u> Total Diversions October November December January February March April May June July August September TOTAL Average cubic feet per second October November December January February March April May June July August September TOTAL Monthly use in per- cent of seasonal October November December January February March April May June July August September	28,490 4,263 2,860 1,585 1,468 2,870 149,695 211,918 207,730 191,624 172,832 66,143 104,148 463 72 46 26 27 47 2,516 3,446 3,401 3,116 2,811 1,112 1,439 2.7 0.4 0.3 0.2 0.1 0.3 14.4 20.3 19.9 18.4 16.6 6.4	66,118 17,939 6,887 1,772 1,592 7,856 302,010 378,193 353,650 350,907 313,752 119,869 1,920,545 1,075 301 112 29 29 128 5,076 6,151 5,943 5,707 5,103 2,015 2,653 3.4 0.9 0.4 0.1 0.1 0.4 15.7 19.7 18.4 18.3 16.4 6.2																					
4	245, 246		Sacramento River at Collinsville	Datum of Gage	<table><tr><th colspan="3">Datum of Gage</th></tr><tr><th>Period</th><th>Zero on Gage</th><th>Ref. Datum</th></tr><tr><th>From To</th><th></th><th></th></tr><tr><td>1929</td><td>0.00</td><td>USED</td></tr><tr><td></td><td>-3.05</td><td>USCGS</td></tr><tr><td>1964</td><td>-3.34</td><td>USCGS</td></tr><tr><td>1964</td><td>-3.00</td><td>USCGS</td></tr></table>		Datum of Gage			Period	Zero on Gage	Ref. Datum	From To			1929	0.00	USED		-3.05	USCGS	1964	-3.34	USCGS	1964	-3.00	USCGS
Datum of Gage																											
Period	Zero on Gage	Ref. Datum																									
From To																											
1929	0.00	USED																									
	-3.05	USCGS																									
1964	-3.34	USCGS																									
1964	-3.00	USCGS																									
4	158		Cache Creek above Runsey	<u>1967</u> Maximum Discharge of Record Discharge Gage Height Date	26,700 E cfs 18.30 E 1-31-1963	30,000 cfs 16.90 1-21-1967																					
4	162		Putah Creek above Davis	Monthly Mean Discharge	March 41,047 cfs	1,324 cfs																					
4	171		Duck Creek near Stockton	Discharge Data	Table Revised - Published	Page 155 - 1968 Report																					
4	177		Bear Creek near Lodi	Maximum Discharge of Record Discharge Gage Height Date	670 cfs 3.35 1-30-1966	4,550 cfs 8.33 1-22-1967																					
4	264		Mokelumne River near Thornton	Datum of Gage	1964, -3.00 USCGS	1964, 0.00, USCGS																					
4	296		Sacramento River at Collinsville	Datum of Gage	<table><tr><th colspan="3">Datum of Gage</th></tr><tr><th>Period</th><th>Zero on Gage</th><th>Ref. Datum</th></tr><tr><th>From To</th><th></th><th></th></tr><tr><td>1929</td><td>0.00</td><td>USED</td></tr><tr><td></td><td>-3.05</td><td>USCGS</td></tr><tr><td>1964</td><td>-3.34</td><td>USCGS</td></tr><tr><td>1964</td><td>-3.00</td><td>USCGS</td></tr></table>		Datum of Gage			Period	Zero on Gage	Ref. Datum	From To			1929	0.00	USED		-3.05	USCGS	1964	-3.34	USCGS	1964	-3.00	USCGS
Datum of Gage																											
Period	Zero on Gage	Ref. Datum																									
From To																											
1929	0.00	USED																									
	-3.05	USCGS																									
1964	-3.34	USCGS																									
1964	-3.00	USCGS																									
4	296		Sacramento River at Collinsville	Daily Maximum and Minimum Tides	Notation: In order to machine process the data, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain gage heights.																						

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

Location of Error or Revision					Change or Revision	
Report	Page	Mile & Bank	Name	Item	From	To
4	312		Suisun Bay at Benicia	<u>1961</u> (Cont.) Daily Maximum and Minimum Tides		<u>Notation:</u> In order to machine process the data, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain gage heights.
4	54		Clover Creek Bypass near Upper Lake	<u>1968</u> Number Change	A89140	A81940
4	55, 61, 68		Grindstone Creek near Elk Creek	Number Change	A31300	A31302
4	94		Grindstone Creek near Elk Creek	Number Change	A31395	A31302
4	55, 63, 73		Kellogg Creek near Byron	Number Change	B95295	B89200
4	70		Fremont Weir Spill to Yolo Bypass	Map Plotting		To be located approximately midway between A02160 and A02170.
4	79		Willow Creek near Litchfield	Date of Discontinuance	9-30-68	9-30-67
4	87		Red Bank Creek near Red Bluff	Station Location	Station located at Red Bank Road Bridge, 11 miles southwest of Red Bluff.	Station located at Briggs Road Bridge, 11 miles southwest of Red Bluff.
4	142		Cache Creek above Rumsey	Maximum Discharge of Record Discharge Gage Height Date	26,700 E cfs 18.30 E 1-31-1963	30,000 cfs 16.90 1-21-1967
4	155, 156		Duck Creek near Stockton	Maximum Discharge of Record Discharge Gage Height Date	400 cfs 5.75 12-24-1955	635 cfs 5.96 1-30-1967
4	161		Bear Creek near Lodi	Maximum Discharge of Record Discharge Gage Height Date	670 cfs 3.35 1-30-1966	4,550 cfs 8.33 1-22-1967
4	198	11.0R	Hallwood Irrigation Company	Diversions December January April May June July August September TOTAL	13,503 2,530 17,650 32,730 29,734 29,880 28,060 15,160 169,334	4,863 1,140 10,950 19,600 17,210 17,540 16,120 9,880 97,390
4	239		Sutter Bypass at Long Bridge	Station Location	Station located on west levee, 0.2 mile north of State Highway 20, 3.9 miles east of Meridian.	Station located on west levee, 0.2 mile north of State Highway 20, 3.9 miles east of Meridian.
4	247		Feather River near Gridley	Daily Mean Gage Height		<u>Notation:</u> In order to machine process the data, it was necessary to avoid gage heights above 99.99 feet. For values at reference datum, add 50 feet to gage height readings.
4	256		Sacramento River at Sacramento	Daily Mean Gage Height February 28 February 29	20.74 20.74	20.90 20.92
4	128		Cache Creek above Rumsey	<u>1969</u> Maximum Discharge of Record Discharge Gage Height Date	26,700 E cfs 18.30 E 1-31-1963	30,000 cfs 16.90 1-21-1967
4	136		French Camp Slough near French Camp	Total Acre-Feet Total Acre-Feet Mean Discharge May Year	28,820 191,200 232 cfs	2,882 165,200 228 cfs
4	138		Duck Creek near Stockton	Maximum Discharge of Record Discharge Gage Height Date	477 cfs 5.49 1-23-1969	635 cfs 5.96 1-30-1967
4	142		Bear Creek near Lodi	Maximum Discharge of Record Discharge Gage Height Date	1,870 cfs 5.32 1-13-1969	4,550 cfs 8.33 1-22-1967

TABLE B-16 (Cont.)

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

Location of Error or Revision				Change or Revision	
Report	Page	Mile & Bank	Name	Item	
				<u>1969 (Cont.)</u>	
4	154		Bidwell Creek near Fort Bidwell	Daily Mean May 10, 1969 163 1-5	
				Discharge May 11, 1969 188 1-6	
				May 12, 1969 247 1-6	
				May 13, 1969 208 1-7	
				May 14, 1969 175 1-7	
				MONTHLY TOTAL 7,246 Acre-Feet 6,922 Acre-Feet	
				WATER YEAR TOTAL 18,360 Acre-Feet 18,140 Acre-Feet	
4	225		Feather River near Gridley	Daily Mean Gage Height	Notation: In order to machine process the data, it was necessary to avoid gage heights above 99.99 feet. For values at reference datum, add .00 feet to gage height readings.
				<u>1970</u>	
4	54		Little Chico Creek Diversion near Chico	Daily Mean Dec. 19, 1969 Data insufficient to 4.0 cfs	
				Discharge Jan. 9, 1970 compute discharge. 0.5	
				Jan. 13, 1970 543	
				Jan. 14, 1970 543	
				Jan. 16, 1970 10	
				Jan. 21, 1970 43	
				Jan. 23, 1970 131	
				Jan. 24, 1970 104	
				Jan. 27, 1970 1.6	
				WATER YEAR TOTAL 1,670 Acre-Feet	
4	61		Summary of Monthly Water Supply and Utilization - Sacramento San Joaquin Delta in Thousands of Acre-Feet	Total Water Supply October 1,308 1,424	
				November 1,309 1,354	
				December 2,854 3,069	
				January 11,616 11,968	
				February 6,262 6,326	
				March 3,575 3,656	
				April 1,016 1,027	
				May 1,056 1,060	
				June 880 891	
				TOTAL 33,063 33,902	
4	67		Burney Creek near Burney	Daily Mean June 18, 1970 25 24	
				Discharge June 19, 1970 23 21	
				June 20, 1970 21 17	
				June 21, 1970 28 23	
				June 22, 1970 28 21	
				June 23, 1970 25 17	
				June 24, 1970 20 11	
				June 25, 1970 29 17	
				June 26, 1970 32 19	
				June 27, 1970 35 20	
				June 28, 1970 45 36	
				June 29, 1970 7.0 37	
				June 30, 1970 3.7 23	
				MONTHLY TOTAL 1,389 Acre-Feet 1,317 Acre-Feet	
				July 1, 1970 3.7 21	
				July 2, 1970 3.7 18	
				July 3, 1970 3.7 17	
				July 4, 1970 3.7 15	
				July 5, 1970 3.7 12	
				July 6, 1970 3.7 12	
				July 7, 1970 3.7 12	
				July 8, 1970 3.7 17	
				July 9, 1970 3.7 18	
				July 10, 1970 3.7 17	
				July 11, 1970 3.7 14	
				July 12, 1970 3.7 13	
				July 13, 1970 3.7 13	
				July 14, 1970 3.8 12	
				July 15, 1970 3.8 12	
				July 16, 1970 6.5 15	
				July 17, 1970 11 19	
				July 18, 1970 12 19	
				July 19, 1970 15 20	
				July 20, 1970 18 22	
				July 21, 1970 15 17	
				July 22, 1970 13 14	
				MONTHLY TOTAL 522 Acre-Feet 923 Acre-Feet	
				WATER YEAR TOTAL 93,107 Acre-Feet 93,438 Acre-Feet	
4	130		Duck Creek near Stockton	Maximum Discharge of Record Discharge 477 cfs 635 cfs	
				Gage Height 5.49 5.96	
				Date 1/25/1969 1/30 1967	
4	134		Bear Creek near Lodi	Maximum Discharge of Record Discharge 3,300 cfs 4,550 cfs	
				Gage Height 7.11 8.33	
				Date 1/14/1970 1/22/1967	
4	137		Dry Creek near Ione	Monthly Total Mean 39.2	
				December Maximum 254	
				Minimum 1.9	
				Acre-Feet 2,408	

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

Location of Error or Revision				Change or Revision						
Report	Page	Mile & Bank	Name	Item	From	To				
<u>1970 (Cont.)</u>										
4	148		Bidwell Creek near Fort Bidwell	Yearly Mean	cfs	46.1	45.5			
				Yearly Total	Acre-Feet	30,531	32,940			
				Daily Mean	Jan. 22, 1970	196	136			
				Discharge	Jan. 23, 1970	172	124			
					Jan. 24, 1970	168	124			
4	208		Feather River near Gridley	MONTHLY TOTAL	2,050 Acre-Feet	1,749 Acre-Feet				
				WATER YEAR TOTAL	16,521 Acre-Feet	16,220 Acre-Feet				
				Daily Mean Gage Height	Notation: In order to machine process the data, it was necessary to avoid gage heights above 99.99 feet. For values at reference datum, add 50 feet to gage height readings.					
<u>1971</u>										
4	35		Summary of Monthly Water Supply and Utilization- Sacramento San Joaquin Delta in Thousands of Acre-Feet	Total Water Supply	TOTAL	33,063	29,692			
4	53		Moulton Weir Spill to Butte Basin	Daily Mean	Dec. 17, 1970	1,640	0			
				Discharge	Dec. 18, 1970	6,590	0			
					Dec. 19, 1970	1,050	0			
					Dec. 20, 1970	19	0			
				Monthly Mean Discharge		636	336			
				Monthly Maximum Discharge		6,590	4,920			
				Monthly Acre-Feet Discharge		39,120	20,670			
				Daily Mean	Jan. 17, 1971	0	1,640			
				Discharge	Jan. 18, 1971	0	6,590			
					Jan. 19, 1971	0	1,050			
					Jan. 20, 1971	0	19			
				Monthly Mean Discharge		0	300			
				Monthly Maximum Discharge		0	6,590			
				Monthly Acre-Feet Discharge		0	18,440			
				WATER YEAR SUMMARY						
4	55		Little Chico Creek Diversion near Chico	Maximum	7,725 on 12-5 at 1930	8,499 on 1-18 at 0800				
				Daily Mean	Dec. 3, 1970	Data insufficient to compute discharge.	0.1 cfs			
				Discharge	Dec. 4, 1970		66			
					Mar. 26, 1971		3.0			
				WATER YEAR TOTAL			137 Acre-Feet			
4	137		Sacramento River at Moulton Weir	Daily Mean Gage	Dec. 17, 1970	78.15 A	(Blank)			
				Height	Dec. 18, 1970	79.32	"			
					Dec. 19, 1970	77.54	"			
					Dec. 20, 1970	76.89 A	"			
					Jan. 17, 1971	(Blank)	78.15 A			
					Jan. 18, 1971	"	79.32			
					Jan. 19, 1971	"	77.54			
					Jan. 20, 1971	"	76.89 A			
								1972		
				4	59		Little Chico Creek Diversion near Chico	Daily Mean Discharge	Data insufficient to compute discharge	No Flow
4	128	13-1R	Garden Highway Mutual Water Co.	Diversions	August	2,770	3,045			
				TOTAL		15,025	15,300			
<u>1974</u>										
4	129	13-1R	Garden Highway Mutual Water Co.	Diversions	April	137	178			
					June	3,484	3,230			
					July	3,278	3,024			
					August	2,972	2,947			
					September	792	673			
					TOTAL	13,654	13,023			

Appendix C

GROUND WATER MEASUREMENTS

This appendix contains summary and selected information concerning the level of ground water in wells within 32 ground water basins or areas in Northeastern California. Wells are selected to reflect the ground water conditions of the area. These wells are continuously reviewed and, when conditions dictate, replacement wells are located and measured.

Earlier editions of this report contained a tabulation of individual measurements of ground water levels at wells. This type of data collected by the Department will be available at the various district offices of the Department. Please see the introduction at the front of this volume for the addresses of these district offices.

Table C-1 shows the average change in ground water levels for the various basins in Northeastern California from spring 1974 to spring 1975. This table also shows the number of well measurements collected in the various areas. Figure C-2 contains graphical presentations of the average levels of ground water in the spring for the past several years. Figure C-3 is a graphical representation of the fluctuation of ground water level in certain selected wells for the past several years. An attempt has been made to select wells that represent conditions in the basin where the well is located. However, some caution in the use of these data is in order because ground water conditions can vary markedly with relatively small changes in horizontal location.

Two numbering systems are used by the Department to facilitate processing of water level measurement data. The two systems are the Region and Basin Designation and the State Well Numbering System. The regions used in Bulletin No. 130 are geographic areas defined in Section 13200 of the Water Code. This volume comprises the northern portions of Central Valley Region No. 5 and Lahontan Region No. 6. A decimal system of the form 0-00.00 has been selected according to geographic regions, ground water basins, and subbasins or subareas as follows:

	5	-	21	.	05
Region (Central Valley)					
Ground Water Basin (Sacramento Valley)					
Subbasin or Subarea (Sutter County)					

The State Well Numbering System is based on township, range, and section subdivisions of the public land survey. The number of a well, assigned in accordance with this system, is referred to as the State Well Number, as illustrated below on the left.

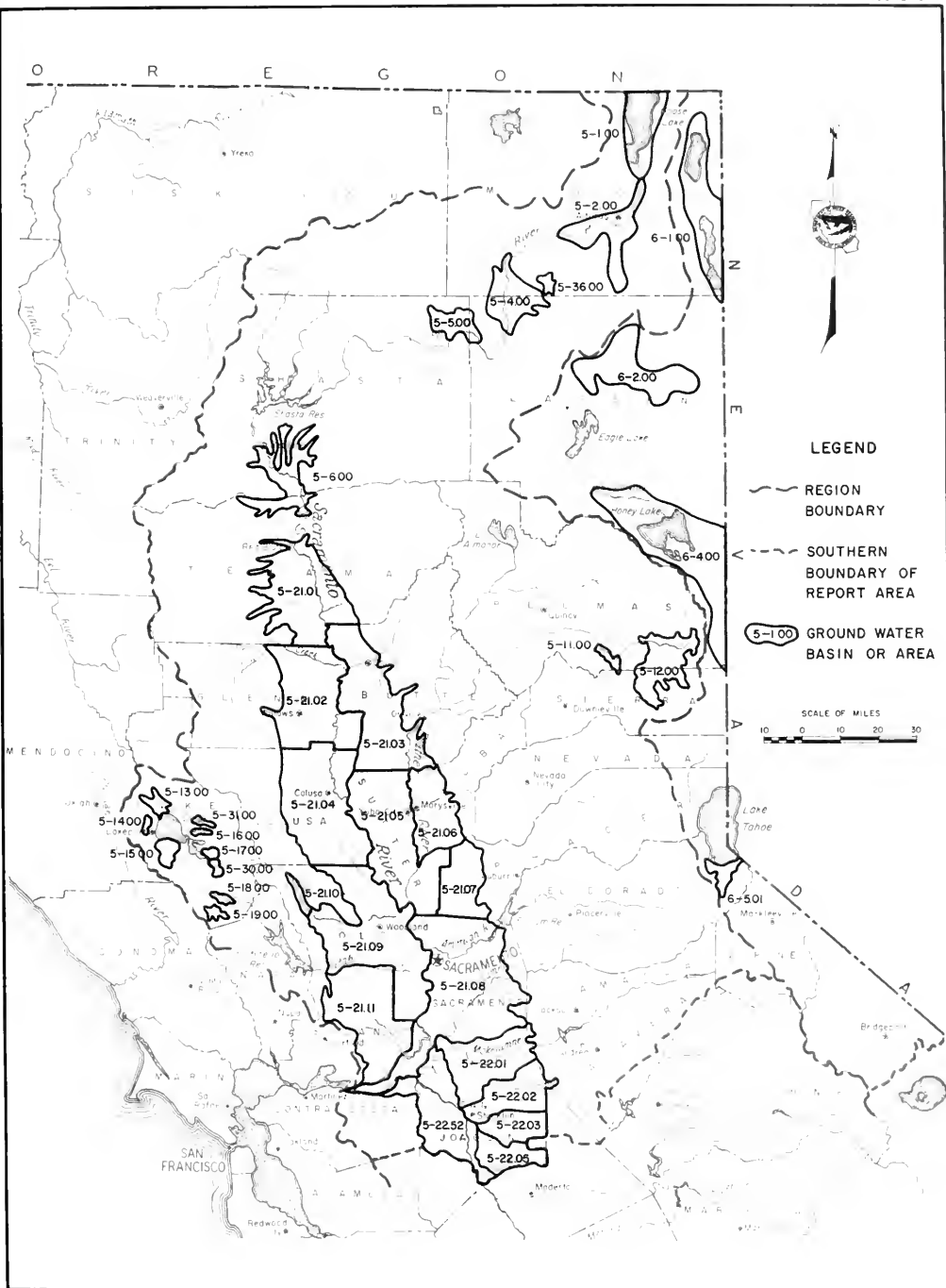
	39N	/	13E	-	08	J	04	M
Township								
Range								
Section								
Tract								
Sequence Number								
Base and Meridian								

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

This number identifies and locates the well. In the example, the well is in Township 39 North, Range 13 East, Tract J of Section 8, referenced to the Mount Diablo Base and Meridian. A section is divided into 40-acre tracts as shown above on the right. Sequence numbers in a tract are generally assigned in chronological order. The example designates the fourth well to be assigned a number in Tract J.

INDEX TO GROUND WATER MEASUREMENT DATA
IN NORTHEASTERN CALIFORNIA

<u>Number</u>		<u>Page</u>
	CENTRAL VALLEY REGION 5-00.00	
5-01.00	Goose Lake Valley	
5-02.00	Alturas Basin	242
5-04.00	Big Valley	242
5-36.00	Round Valley	
5-05.00	Fall River Valley	242
5-06.00	Redding Basin	242, 247
5-11.00	Mohawk Valley	242
5-12.00	Sierra Valley	242
5-13.00	Upper Lake Valley	242
5-14.00	Scotts Valley	242
5-15.00	Kelseyville Valley	242
5-31.00	Long Valley	
5-16.00	High Valley.	242
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5-30.00	Lower Lake Area	242
5-18.00	Coyote Valley	242
5-19.00	Collayomi Valley	242, 247
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5-21.01	Tehama County	242, 244, 247
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5-21.04	Colusa County	242, 244, 248
5-21.05	Sutter County	242, 244, 248
5-21.06	Yuba County	242, 245, 249
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	LAHONTAN REGION 6-00.00	
6-01.00	Surprise Valley	243
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6-04.00	Honey Lake Valley	243
6-05.00	Tahoe Valley	
6-05.01	South Tahoe Valley	243



GROUND WATER BASINS IN NORTHEASTERN CALIFORNIA

TABLE C-1

AVERAGE CHANGE OF GROUND WATER LEVELS
AND SUMMARY OF WELL MEASUREMENTS REPORTED

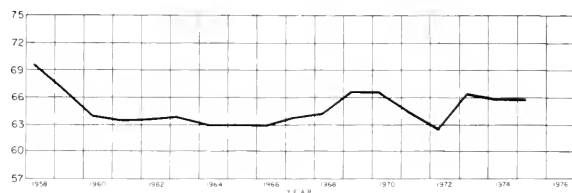
Ground Water Basin or Area		Average Change Spring 1974 to Spring 1975 in Feet	Measuring Agency	Number of Well Measurements Reported		
Name	Number			Monthly 1974-75	Fall 1974	Spring 1975
CENTRAL VALLEY REGION						
Goose Lake Valley	5-01.00					
Alturas Basin	5-02.00	-0.6	Department of Water Resources		9	9
Big Valley	5-04.00	-0.3	Department of Water Resources		4	4
Round Valley	5-36.00					
Fall River Valley	5-05.00	-0.6	Department of Water Resources		4	4
Redding Basin	5-06.00	+0.2	Department of Water Resources	1	9	9
Mohawk Valley	5-11.00	+1.5	Department of Water Resources		1	2
Sierra Valley	5-12.00	-0.3	Department of Water Resources		20	20
Upper Lake Valley	5-13.00	-0.3	Department of Water Resources		4	4
Scotts Valley	5-14.00	+3.2	Department of Water Resources		1	1
Kelseyville Valley	5-15.00	-0.1	Department of Water Resources		9	9
Long Valley	5-31.00					
High Valley	5-16.00	-6.2	Department of Water Resources		2	2
Burns Valley	5-17.00					
Lower Lake Area	5-30.00	+0.8	Department of Water Resources		1	1
Coyote Valley	5-18.00	+1.3	Department of Water Resources		1	1
Collayomi Valley	5-19.00	+1.3	Department of Water Resources		2	2
Sacramento Valley	5-21.00					
Tehama County	5-21.01	+1.0	Department of Water Resources	19	49	47
Glenn County	5-21.02	-0.3	Glenn County U. S. Bureau of Reclamation Department of Water Resources		77 11 1	70 11 1
Butte County	5-21.03	-1.1	Department of Water Resources	16	74	72
Colusa County	5-21.04	0.0	U. S. Bureau of Reclamation Department of Water Resources		13 44	13 46
Sutter County	5-21.05	0.0	South Sutter Water District Department of Water Resources		25 113	25 112
Yuba County	5-21.06	-0.2	Department of Water Resources	1	96	96
Placer County	5-21.07	+0.4	South Sutter Water District Department of Water Resources		2 7	2 80

TABLE C-1 (Continued)

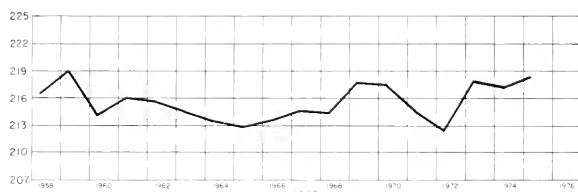
AVERAGE CHANGE OF GROUND WATER LEVELS
AND SUMMARY OF WELL MEASUREMENTS REPORTED

Ground Water Basin or Area		Average Change Spring 1974 to Spring 1975 in Feet	Measuring Agency	Number of Well Measurements Reported		
Name	Number			Monthly 1974-75	Fall 1974	Spring 1975
Sacramento Valley (Continued)						
Sacramento County	5-21.08	-1.0	Sacramento County		89	87
			Sacramento Muni. Utility Dist.		19	19
			Arcade Water District		26	38
			U. S. Bureau of Reclamation		82	81
			Department of Water Resources	17	70	69
Yolo County	5-21.09	+0.7	Yolo County		169	169
			U. S. Bureau of Reclamation	3	76	75
			Department of Water Resources	11	26	23
Capay Valley	5-21.10	-0.2	Yolo County		21	20
Solano County	5-21.11	+0.5	Solano County		22	21
			U. S. Bureau of Reclamation	3	96	90
			Department of Water Resources	13	22	22
San Joaquin Valley						
Mokelumne River Area	5-22.01	-1.7	San Joaquin County		97	97
			California Water Service Company		4	4
			East Bay Municipal Utility Dist.	99	217	212
			U. S. Bureau of Reclamation		2	2
			Department of Water Resources	1	46	46
Calaveras River Area	5-22.02	-1.0	San Joaquin County		88	88
			California Water Service Company		18	18
			East Bay Municipal Utility Dist.		6	6
			Stockton-East Water District		34	34
			Department of Water Resources	3	38	38
Farmington- Collegeville Area	5-22.03	-1.4	San Joaquin County		57	57
			Oakdale Irrigation District		2	2
			Stockton-East Water District		1	1
			Department of Water Resources	1	18	19
South San Joaquin Irrigation District	5-22.05	-1.3	San Joaquin County		8	9
			Oakdale Irrigation District		1	1
			Department of Water Resources		41	41
Delta Area	5-22.52	-0.6	San Joaquin County		9	8
			Department of Water Resources	1	18	18
LAHONTAN REGION						
Surprise Valley	6-01.00	-3.3	Department of Water Resources		12	12
Madeline Plains	6-02.00					
Honey Lake Valley	6-04.00	-0.1	Department of Water Resources		10	10
Tahoe Valley	6-05.00					
South Tahoe Valley	6-05.01	-0.7	Department of Water Resources		19	19
TOTAL					218	2,116
					2,099	

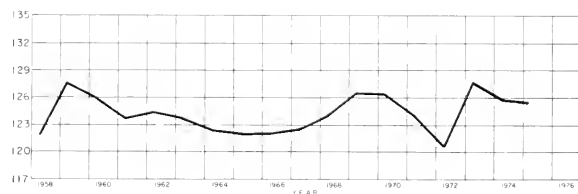
ELEVATION IN FEET - U.S. & G.S. DATUM



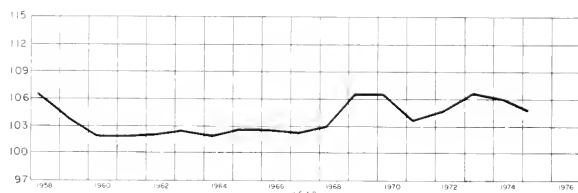
SACRAMENTO VALLEY AREA
5 - 21.00
AVERAGE GROUND SURFACE
ELEVATION 96'



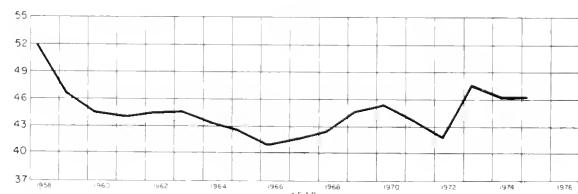
TEHAMA COUNTY AREA
5 - 21.01
AVERAGE GROUND SURFACE
ELEVATION 248'



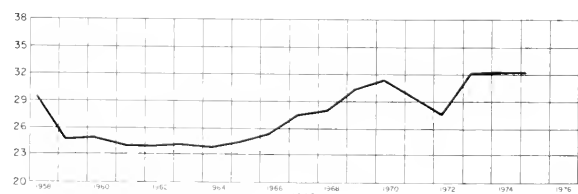
GLENN COUNTY AREA
5 - 21.02
AVERAGE GROUND SURFACE
ELEVATION 140'



BUTTE COUNTY AREA
5 - 21.03
AVERAGE GROUND SURFACE
ELEVATION 126'



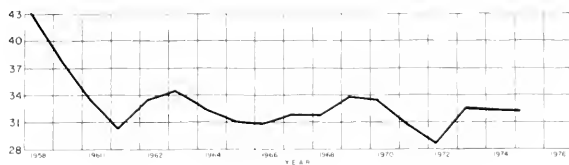
COLUSA COUNTY AREA
5 - 21.04
AVERAGE GROUND SURFACE
ELEVATION 75'



SUTTER COUNTY AREA
5 - 21.05
AVERAGE GROUND SURFACE
ELEVATION 42'

FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS

ELEVATION IN FEET - U.S.C. & G.S. DATUM

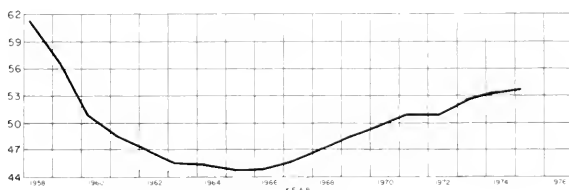


YUBA COUNTY AREA

5-21.06

AVERAGE GROUND SURFACE

ELEVATION 70'

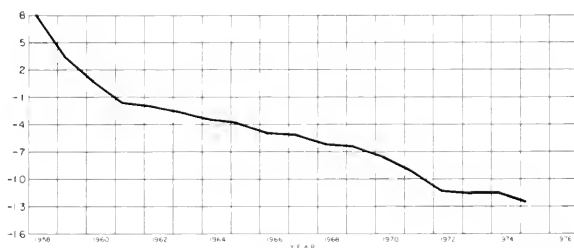


PLACER COUNTY AREA

5-21.07

AVERAGE GROUND SURFACE

ELEVATION 100'

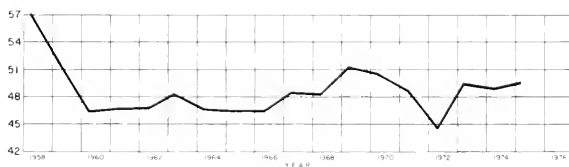


SACRAMENTO COUNTY AREA

5-21.08

AVERAGE GROUND SURFACE

ELEVATION 52'

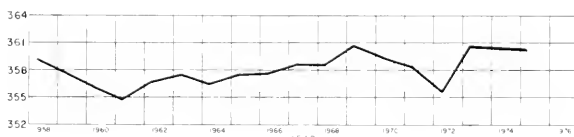


YOLO COUNTY AREA

5-21.09

AVERAGE GROUND SURFACE

ELEVATION 79'

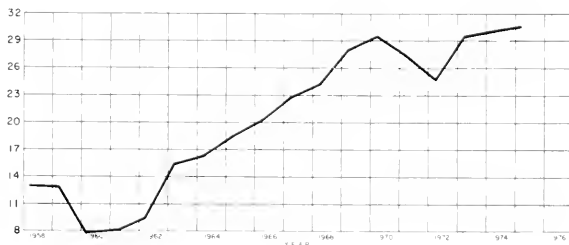


CAPAY VALLEY AREA

5-21.10

AVERAGE GROUND SURFACE

ELEVATION 380'



SOLANO COUNTY AREA

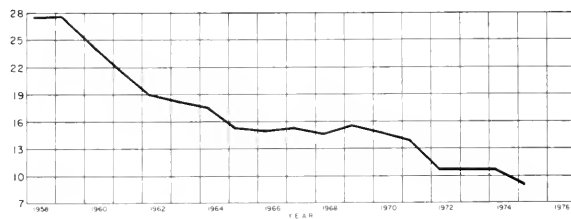
5-21.11

AVERAGE GROUND SURFACE

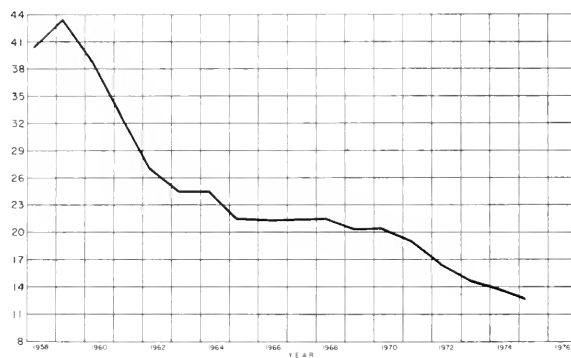
ELEVATION 55'

FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS

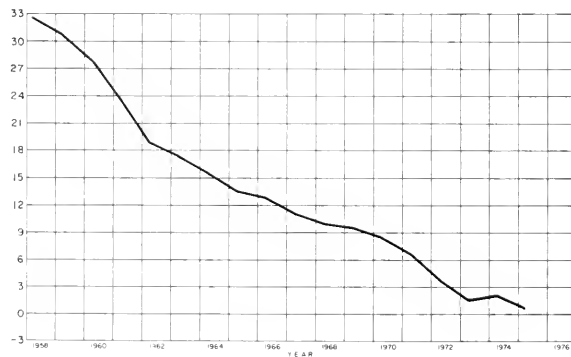
ELEVATION IN FEET - U.S.C. & G.S. DATUM



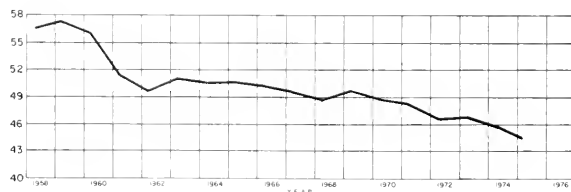
MOKELUMNE RIVER AREA
5-22.01
AVERAGE GROUND SURFACE
ELEVATION 73'



CALAVERAS RIVER AREA
5-22.02
AVERAGE GROUND SURFACE
ELEVATION 97'



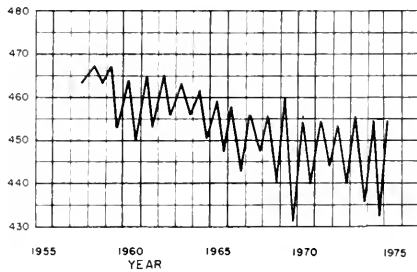
FARMINGTON - COLLEGEVILLE
AREA
5-22.03
AVERAGE GROUND SURFACE
ELEVATION 78'



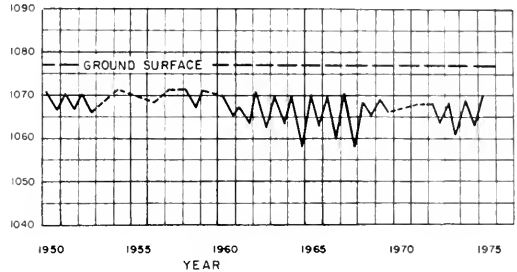
SOUTH SAN JOAQUIN
IRRIGATION DISTRICT AREA
5-22.05
AVERAGE GROUND SURFACE
ELEVATION 69'

FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS

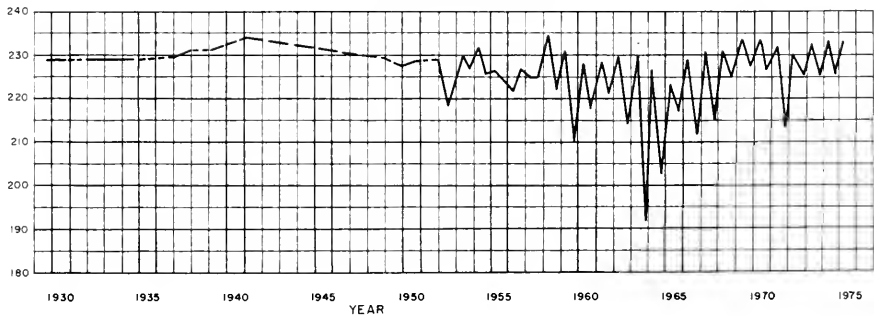
REDDING BASIN (5-6 00)
SHASTA COUNTY
WELL 29N/5W-11A2, M D B & M
GROUND SURFACE ELEVATION 512'



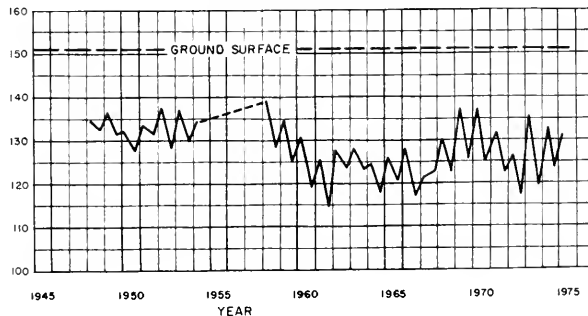
COLLAYOMI VALLEY (5-19 00)
LAKE COUNTY
WELL 11N/7W-35E1, M D B & M
GROUND SURFACE ELEVATION 1077'



SACRAMENTO VALLEY (5-21 00)
TEHAMA COUNTY (5-21 01)
WELL 26N/3W-4K1, M D B & M
GROUND SURFACE ELEVATION 295'



SACRAMENTO VALLEY (5-21 00)
GLENN COUNTY (5-21 02)
WELL 21N/2W-28M1, M D B & M
GROUND SURFACE ELEVATION 151'

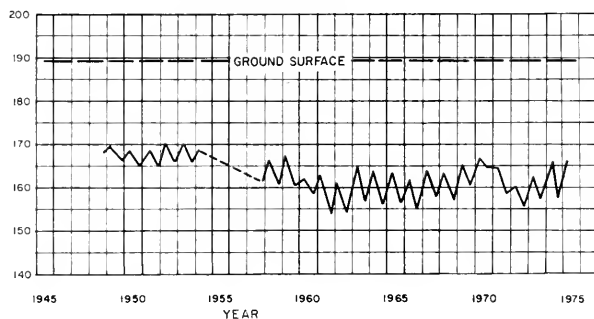


-----CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

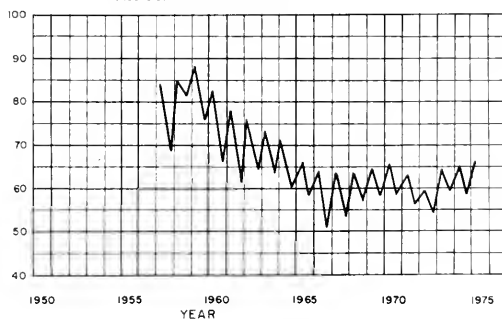
FLUCTUATION OF WATER LEVEL IN WELLS

E L E V A T I O N I N F E E T - U S C & G S D A T U M

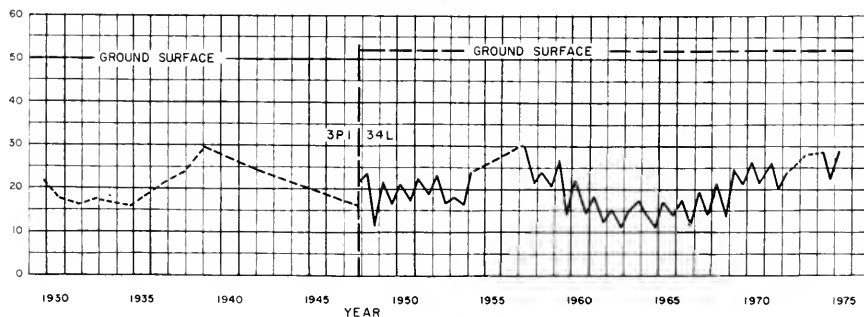
SACRAMENTO VALLEY (5-21.00)
 BUTTE COUNTY (5-21.03)
 WELL 23N/1W-14 RI, M.D.B. & M.
 GROUND SURFACE ELEVATION 185'



SACRAMENTO VALLEY (5-21.00)
 COLUSA COUNTY (5-21.04)
 WELL 14N/2W-16N2, M.D.B. & M.
 GROUND SURFACE ELEVATION 118'



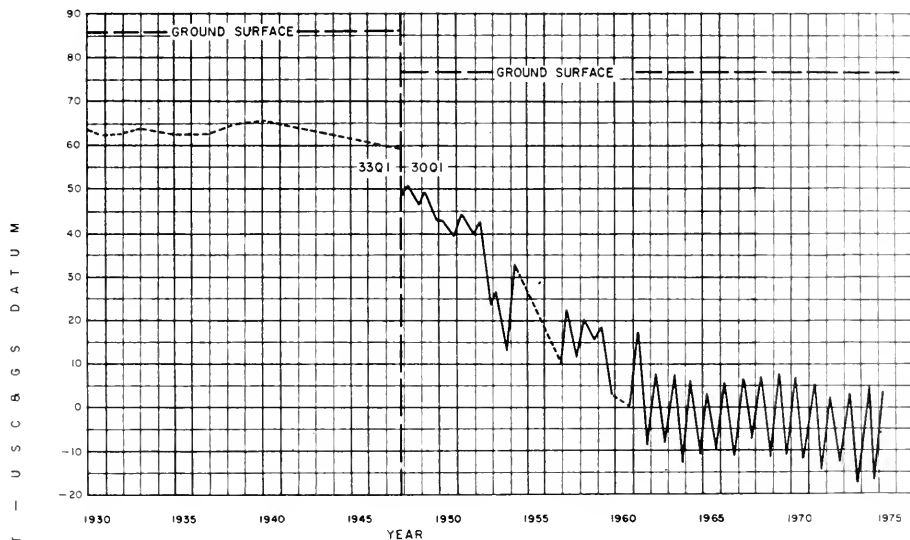
SACRAMENTO VALLEY (5-21.00)
 SUTTER COUNTY (5-21.05)
 WELLS 14N/3E-3PI, 15N/3E-34LI, M.D.B. & M.
 GROUND SURFACE ELEVATION 50', 52'



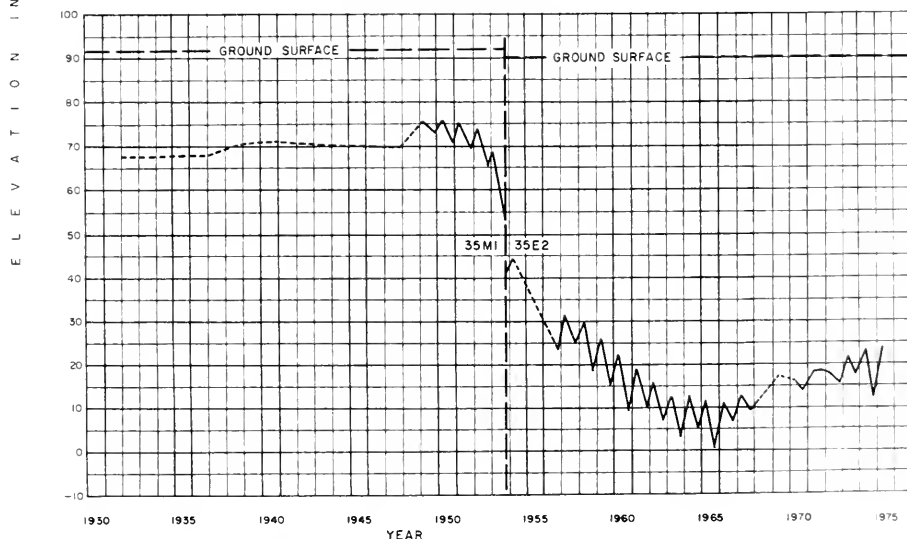
-----CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

FLUCTUATION OF WATER LEVEL IN WELLS

SACRAMENTO VALLEY (5-21.00)
YUBA COUNTY (5-21.06)
WELLS 14N/5E-33Q1, 14N/5E-30Q1, M.D.B. & M.
GROUND SURFACE ELEVATION 86', 77'



SACRAMENTO VALLEY (5-21.00)
PLACER COUNTY (5-21.07)
WELLS 13N/5E-35M1, 12N/5E-35E2, M.D.B. & M.
GROUND SURFACE ELEVATION 92', 90'

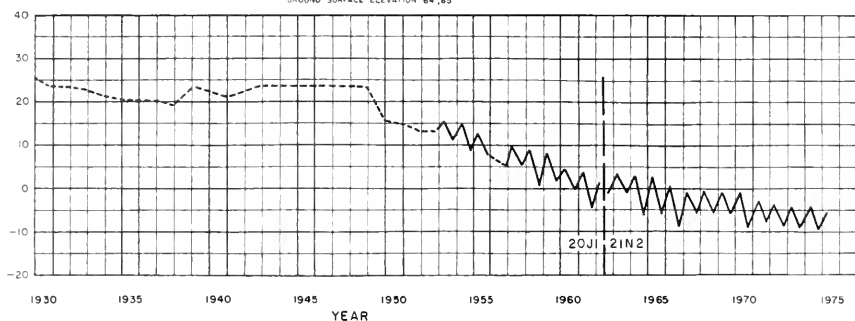


-----CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

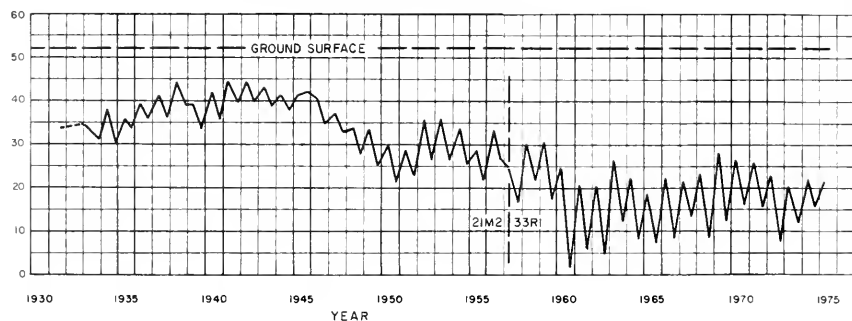
FLUCTUATION OF WATER LEVEL IN WELLS

E L E V A T I O N I N F E E T - U S C & G S D A T U M

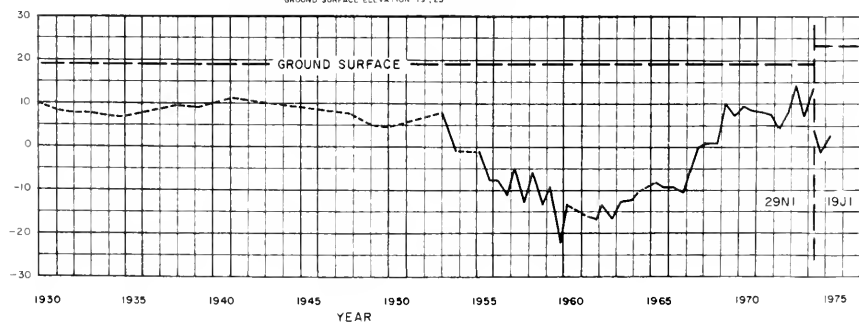
SACRAMENTO VALLEY (5-21.00)
SACRAMENTO COUNTY (5-21.08)
WELLS 8N/6E-20J1, 8N/6E-21N2, MDB & M
GROUND SURFACE ELEVATION 44.45



SACRAMENTO VALLEY (5-21.00)
YOLO COUNTY (5-21.09)
WELLS 10N/2E-21M2, 10N/2E-33R1, MDB & M
GROUND SURFACE ELEVATION 52



SACRAMENTO VALLEY (5-21.00)
SOLANO COUNTY (5-21.11)
WELLS 6N/2E-29N1, 6N/2E-19J1, M D B & M
GROUND SURFACE ELEVATION 19.23

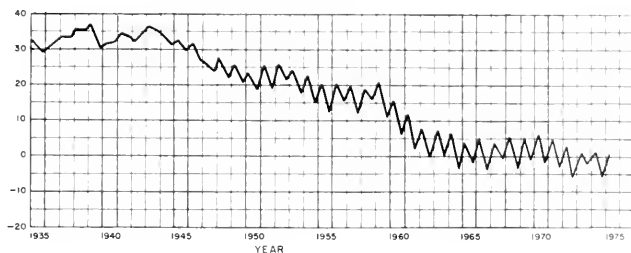


-----CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

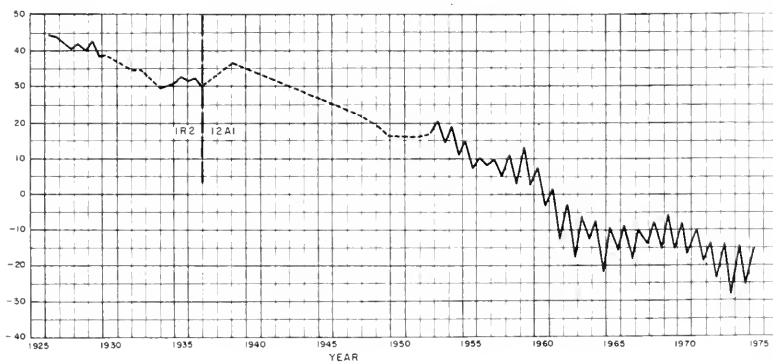
FLUCTUATION OF WATER LEVEL IN WELLS

ELEVATION IN FEET - U.S.C.G. DATUM

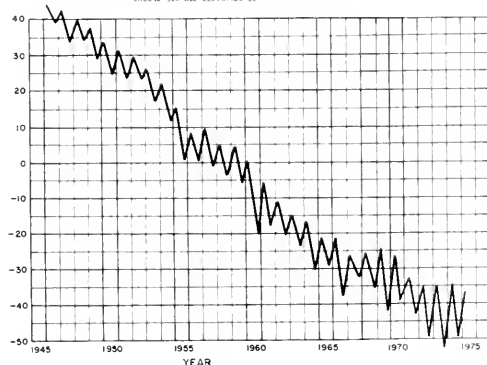
SAN JOAQUIN VALLEY (5-22 00)
 MOKELUMNE RIVER AREA (5-22 01)
 WELL 3N/7E-10L4, M.D.B. & M.
 GROUND SURFACE ELEVATION 75



SAN JOAQUIN VALLEY (5-22 00)
 CALAVERAS RIVER AREA (5-22 02)
 WELLS 2N/7E-1R2, 2N/7E-12A1, M.D.B. & M.
 GROUND SURFACE ELEVATION 74.7



SAN JOAQUIN VALLEY (5-22 00)
 FARMINGTON-COLLEGEVILLE AREA (5-22 03)
 WELL 1N/8E-17D1, M.D.B. & M.
 GROUND SURFACE ELEVATION 69



----- CONNECTS MEASUREMENTS
 MADE AT INTERVALS OF A
 YEAR OR MORE

FLUCTUATION OF WATER LEVEL IN WELLS

Appendix D

SURFACE WATER QUALITY DATA

This appendix summarizes the surface water quality data collected in Northeastern California during the period from October 1, 1974, through September 30, 1975. The data were collected from 153 stream, lake, and estuarine stations in cooperation with other State, local, and federal agencies.

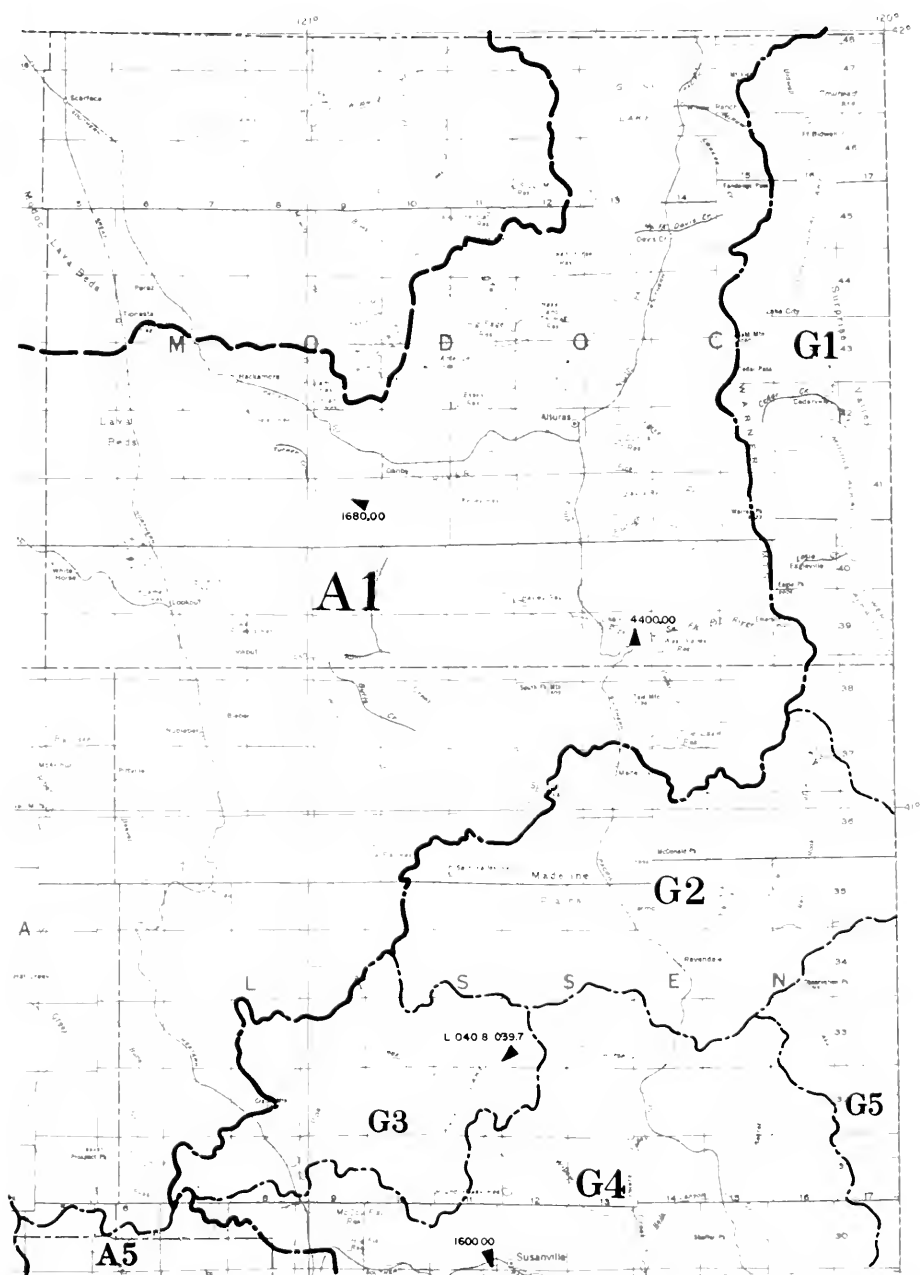
The Department of Water Resources Laboratory used procedures from the latest edition of "Standard Methods for the Examination of Water and Wastewater" for the determination of all constituents.

Two numbering systems are used in this bulletin for identifying water quality stations. The first is for those stations for which the flow of water can be measured readily, as in streams and rivers. This system is described in the introduction to Appendix B.

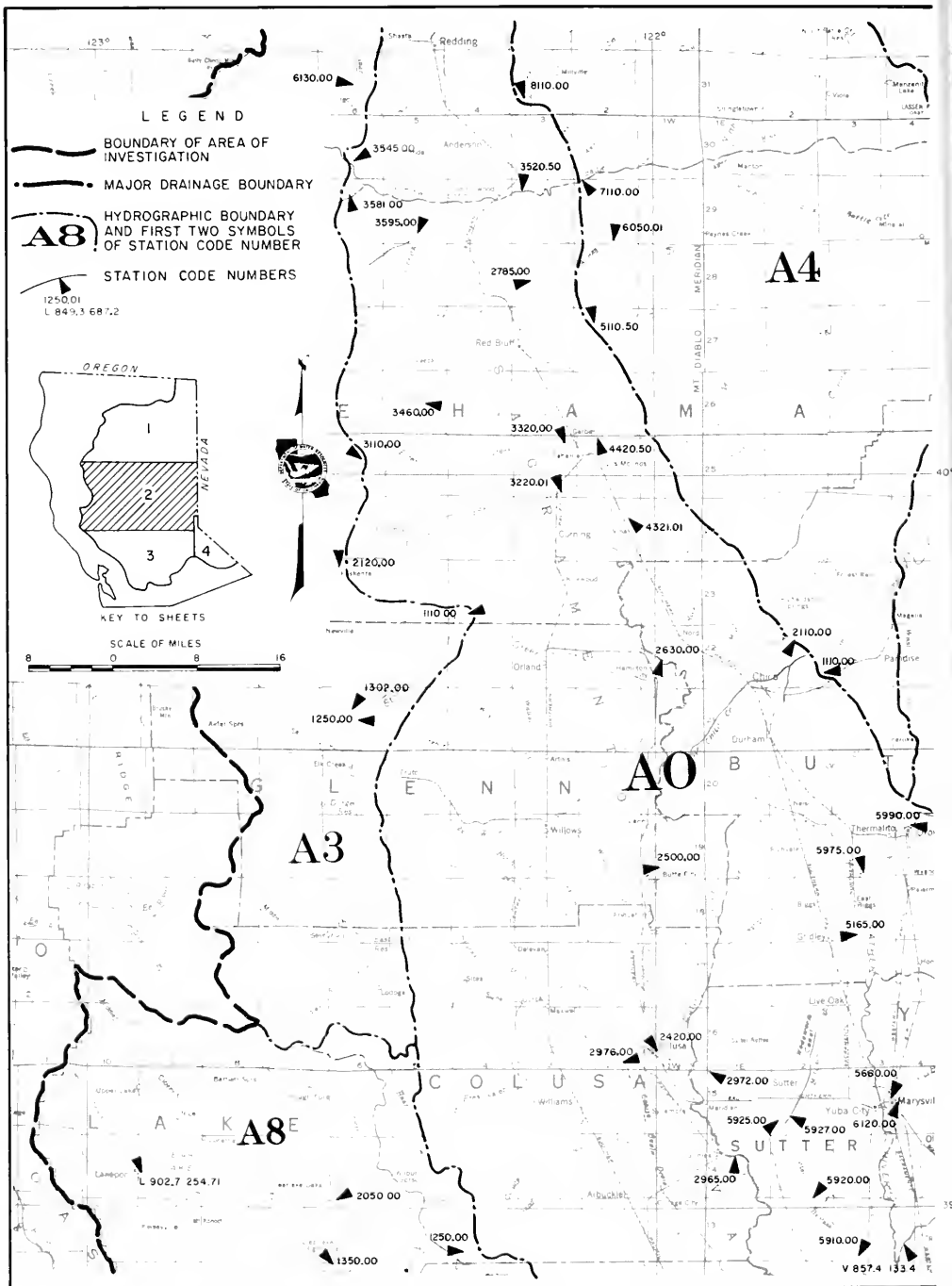
The second numbering system is used for stations located in broad water bodies. This system is described as follows. The first two digits show the hydrographic unit as identified in Appendix B on page 19. The third digit identifies the type of water body, and for this publication is a "B" for Bay system; "C" for canal; "D" for Sacramento-San Joaquin Delta system; "L" for lake; "R" for reservoir; "S" for slough; "V" for agricultural drain; and "X" for a channel of two-direction flow. The next digit is the last digit of the latitude in degrees, "3" for 33°, or "9" for 29°. The next three digits are the minutes of latitude to the tenth of a minute. The last four digits are the longitude in the same manner as latitude. A fifth digit indicates a sequence number when two stations have the same eight-digit latitude and longitude numbers.

Example: G7 L 904.5 008.4 2

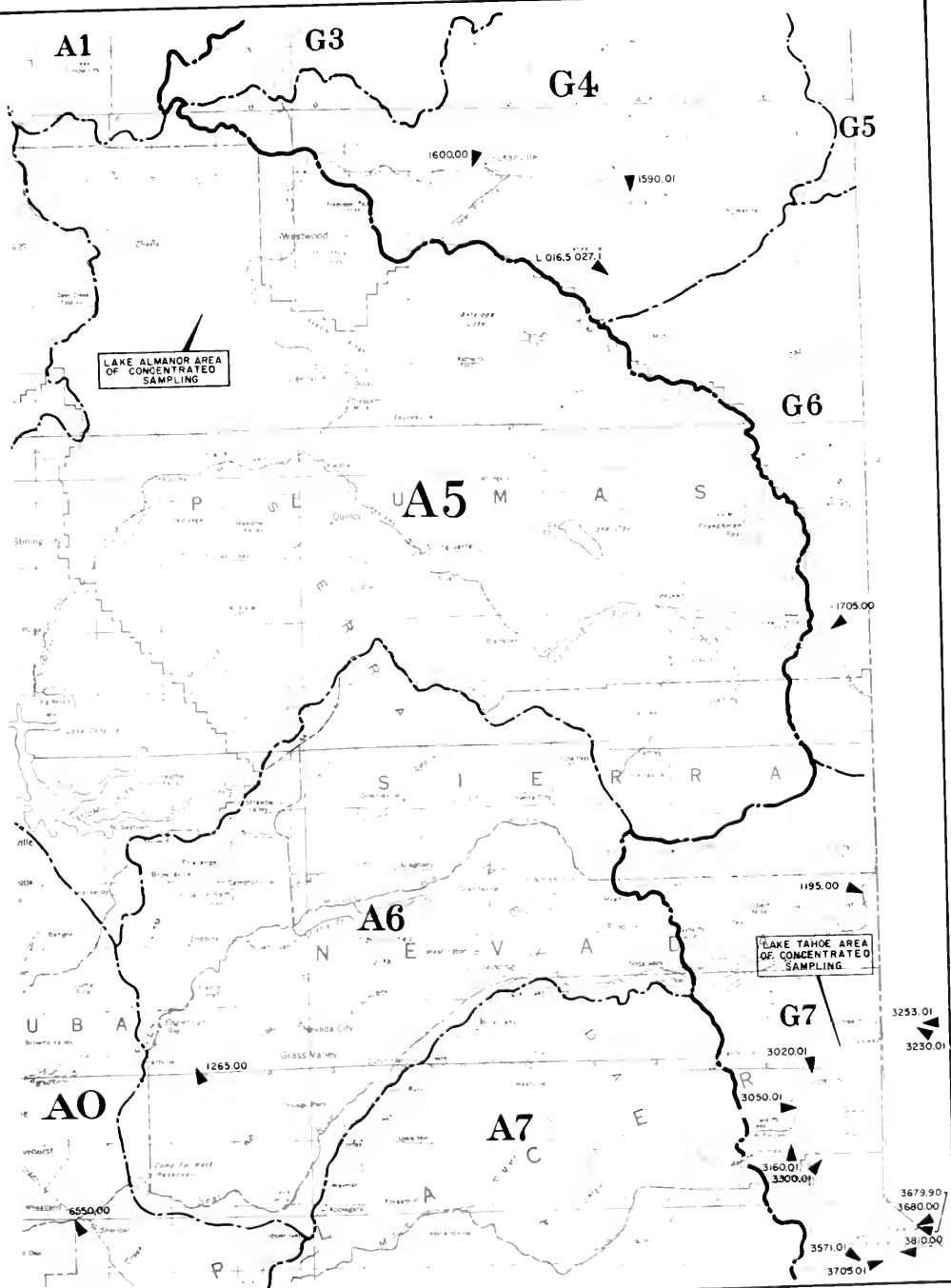
G7	North Lahontan Area, Truckee River Unit
L	Water Body -- Lake
9	39° Latitude
04.5	04.5' Latitude
0	120° Longitude
08.4	08.4' Longitude
2	Second Station



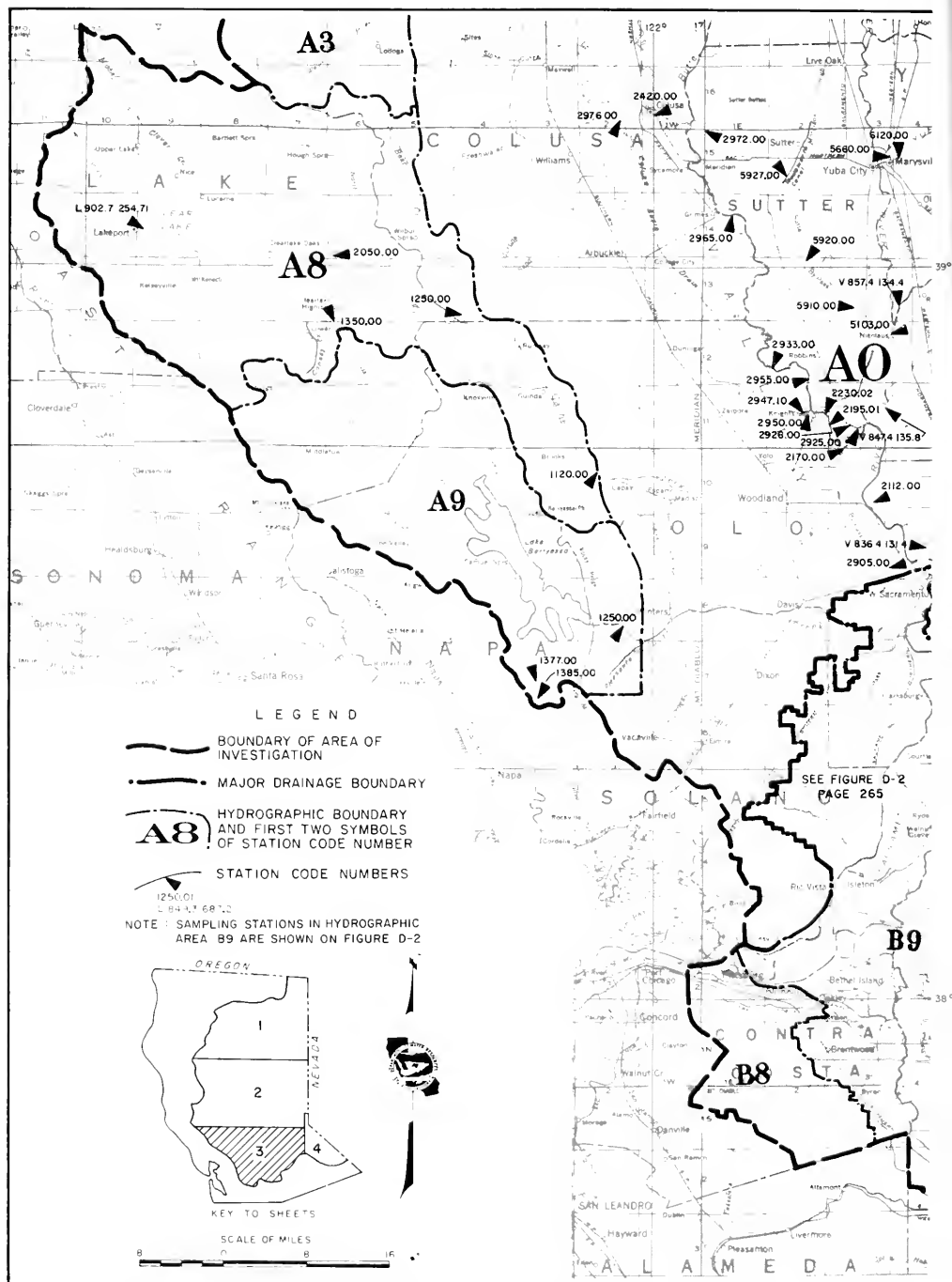
SURFACE WATER QUALITY SAMPLING STATIONS



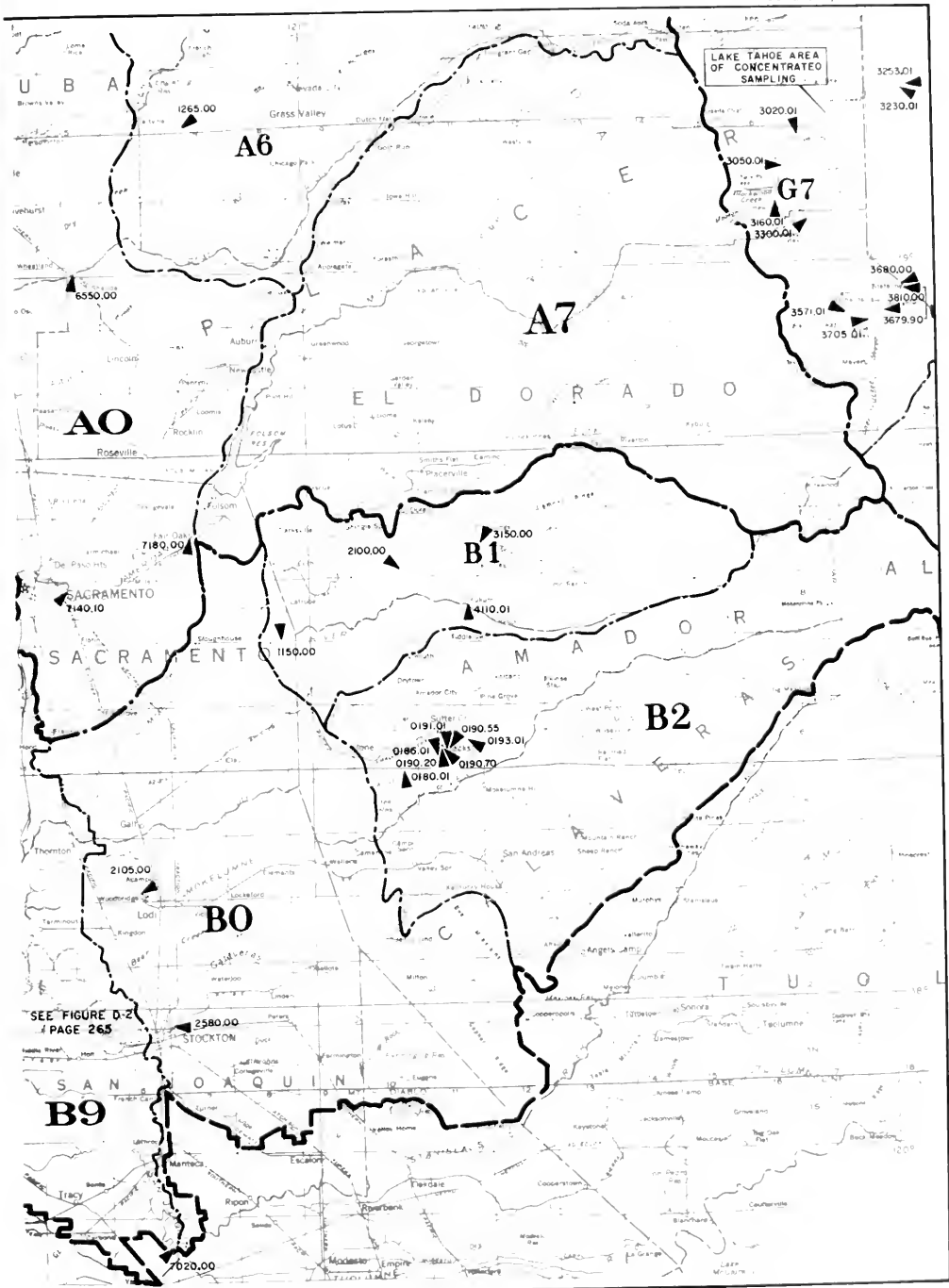
SURFACE WATER QUALITY SAMPLING STATIONS



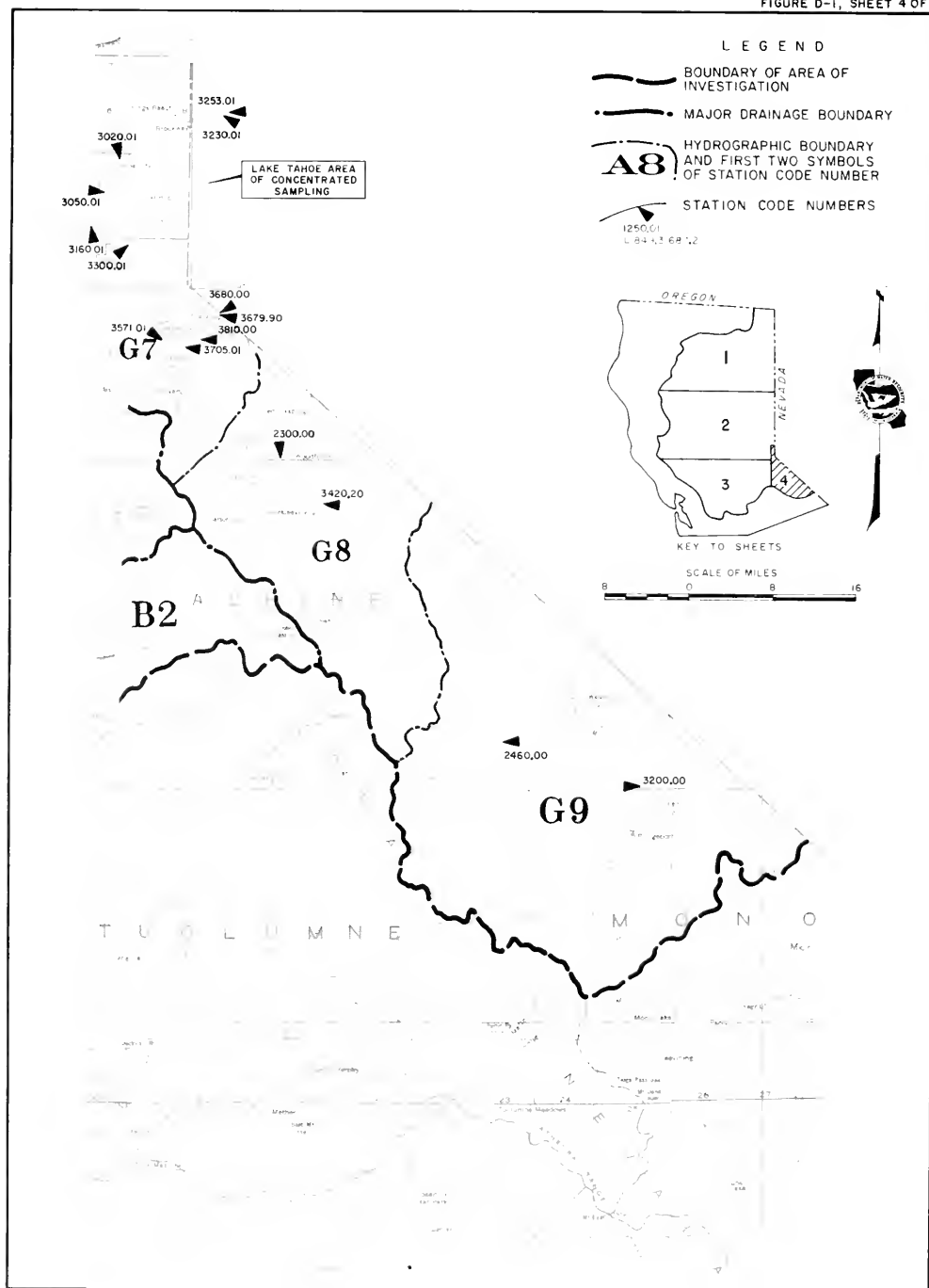
SURFACE WATER QUALITY SAMPLING STATIONS



SURFACE WATER QUALITY SAMPLING STATIONS



SURFACE WATER QUALITY SAMPLING STATIONS



SURFACE WATER QUALITY SAMPLING STATIONS

TABLE D-1
SAMPLING STATION DATA AND INDEX

STATION NAME	STATION NUMBER	LOCATION		RECORD BEGAN	DATA ON PAGES INDICATED									
		LATITUDE ° ' "	LONGITUDE ° ' "		TABLE									FIGURE D-1 D-2
					D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9		
American River Below Nimbus Dam	A0 7180.00	38-38-08	121-13-36	02/56	278	313	319	340	360				379	259
American River at Sacramento Water Plant	A0 7140.10	38-33-35	121-24-57	10/68	277	312	318	340	360				370 379	259
Antelope Creek near Red Bluff	A4 5110.50	40-12-10	122-07-05	11/58	282									256
Battle Creek near Cottonwood	A4 7110.00	40-23-50	122-08-05	04/68	282									256
Bear Creek near Rumsey	A8 1250.00	38-56-42	122-20-42	10/68	284	313		342						258
Bear River near Wheatland	A0 6530.00	39-00-01	121-24-20	12/51	277									259
Big Break near Oakley	B9 D 801.1 142.6	38-01-05	121-42-38	03/68	294	314	324	347	361					265
Big Chico Creek near Chico	A4 2110.00	39-46-18	121-45-45	07/52	282	313		342						256
Burton Creek in Star Harbor (T-8)	G7 3020.01	39-10-54	120-07-08	08/71	309			357						259
Butte Creek near Chico	A4 1110.00	39-43-34	121-42-28	07/52	282	313		342						256
Butte Slough near Meridian	A0 2972.00	39-10-15	121-54-00	02/71	272	312	318	339	360					256
Cache Creek near Capay	A8 1120.00	38-43-43	122-06-14	12/51	284							372		258
Cache Creek near Lower Lake	A8 1350.00	38-55-24	122-33-54	11/51	285	313		342	360					258
Cache Creek, North Fork, near Lower Lake	A8 2050.00	39-01-06	122-34-05	12/51	285	313		342						258
Capell Creek at Circle Oaks	A9 1385.00	38-24-30	122-12-10	12/74	286			319						258
Capell Creek at Hwy 121 near Moskowite Corner	A9 1377.00	38-26-05	122-12-05	12/74	286			319						258
Carson River, East Fork, at Highway 4	G8 3420.20	38-41-20	119-45-44	09/58	310									260
Carson River, West Fork, at Woodfords	G8 2300.00	38-46-10	119-50-00	08/58	310									260
Clear Creek near Igo	A3 6130.00	40-30-47	122-31-24	04/58	282									254
Clear Lake at Lakeport	A8 L 902.7 254.71	39-02-36	122-54-48	04/51	283	313		342						258
Colusa Basin Drain at Highway 20	A0 2976.00	39-11-45	122-03-35	07/62	273	312	318	339						256
Colusa Basin Drain near Knights Landing	A0 2947.10	38-48-45	121-46-25	03/67	270	312	318	337	360			369		258
Cosumnes River at Michigan Bar	B1 1150.00	38-30-01	121-02-60	07/52	288							375		259
Cosumnes River, Middle Fork, near Somerset	B1 3150.00	38-37-29	120-42-02	10/67	288									259
Cosumnes River, North Fork, near El Dorado	B1 2100.00	38-35-20	120-50-38	10/57	288									259
Cosumnes River, South Fork, at River Pines	B1 4110.01	38-32-48	120-44-10	10/67	288									259
Cottonwood Creek at Cottonwood	A0 3520.50	40-22-35	122-16-45	04/51	273	312		339						256
Cottonwood Creek Middle Fork near Gas Point	A0 3581.00	40-23-06	122-31-45		274									256
Cottonwood Creek North Fork near Igo	A0 3545.00	40-26-30	122-32-54		274									256
Cottonwood Creek, South Fork, near Cottonwood	A0 3595.00	40-19-00	122-26-55	11/58	274									256
Cow Creek near Millville	A4 8110.00	40-30-20	122-13-55	04/58	283									254
Deer Creek at Highway 99E	A0 4321.01	39-56-48	122-03-06	05/71	275	312		339						256
Disappointment Slough at Bishop Cut	B9 D 802.6 125.1	38-02-38	121-25-04	03/74	296		326	348						265
Eagle Lake near Susanville	G3 L 040.8 039.7	40-40-47	120-39-42		307									255
East Walker River near Bridgeport	G9 3200.00	38-19-40	119-12-49	08/58	310									260
Edgewood Creek at Highway 50 (T-7)	G7 3680.00	38-57-58	119-56-11	08/71	310			358						259
Edgewood Creek at Mouth (T-7A)	G7 3679.90	38-58-00	119-56-57	08/72	310			357						259
Elder Creek at Gerber	A0 3320.00	40-18-06	122-09-54	01/59	273									256
Elder Creek near Paskenta	A3 3110.00	40-01-30	120-30-36	10/58	282			342						256
Feather River Fish Hatchery	A0 5990.00	39-31-05	121-33-11	03/69								364		256
Feather River near Gridley	A0 5165.00	39-22-01	121-38-43	03/67								363		256
Feather River at Nicolaus	A0 5103.00	38-54-01	121-35-00	03/49	275			339						258
Franks Tract near Russos Landing	B9 D 802.6 136.8	38-02-38	121-36-49	04/68	296		327	349	361					265
Georgiana Slough near Isleton	B9 D 809.0 135.8	38-09-03	121-35-47	03/74	304		332	354						264
General Creek near Meeks Bay (T-3)	G7 3300.01	39-03-15	120-06-49	07/68	310			357						259
Grindstone Creek near Elk Creek	A3 1302.00	39-40-48	122-31-52	04/69	281			341						256
Honey Lake near Buntingville	G4 L 016.5 027.1	40-16-30	120-27-06		307	316		356						257
Incline Creek at Incline Village (T-2)	G7 3253.01	39-14-30	119-56-33	07/68	310			357						259
Jack Slough at Marysville	A0 5660.00	39-09-34	121-35-34	09/67	276		318							256
Jackson Creek above City of Jackson	B2 0190.20	38-20-04	120-46-56	10/73	289		320	343				379		259
Jackson Creek below City of Jackson	B2 0185.01	38-20-38	120-47-12	10/73	288		320	343				379		259
Jackson Creek at Japur Road Bridge	B2 0180.01	38-18-54	120-50-00	10/73	288		320	343				379		259
Jackson Creek below New York Gulch	B2 0193.01	38-21-54	120-44-14	06/74	289		321	343				379		259
Jackson Creek above South Fork Jackson Creek	B2 0191.01	38-20-52	120-46-19	06/74	289		321	343				379		259
Jackson Creek, North Fork, in Jackson	B2 0190.55	38-20-57	120-46-25	05/75	289		320	343				379		259
Jackson Creek, South Fork, in Jackson	B2 0190.70	38-20-51	120-46-18	05/75	289		320	343				379		259
Lake Tahoe at Camp Richardson - Edwards Pier	G7 L 856.3 002.3	38-56-20	120-02-18	05/73	308			357						259
Lake Tahoe at Carnelian Bay - Sierra Boat Co.	G7 L 913.5 004.9	39-13-32	120-04-51	08/73	309			357						259
Lake Tahoe at Glenbrook Bay Pier (S-3)	G7 L 905.3 956.4	39-05-13	119-56-24	08/71	309			357						259
Lake Tahoe at Kings Beach Pier (S-7)	G7 L 914.2 002.3	39-14-14	120-02-16	07/71	309			357						259

TABLE D-1 (CONTINUED)
SAMPLING STATION DATA AND INDEX

STATION NAME	STATION NUMBER	LOCATION		RECORD BEGAN	DATA ON PAGES INDICATED									
		LATITUDE	LONGITUDE		TABLE								FIGURE	
		° ' "	° ' "		D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-1	D-2
Lake Tahoe at Kings Castle Pier (S-4)	G7 L 914.2 956.6	39-14-14	119-56-37	08/71	309			357					259	
Lake Tahoe - North Center (C-2)	G7 L 908.7 000.3	39-08-42	120-00-15	07/68	309			357					259	
Lake Tahoe at Rubicon Bay Pier (S-2)	G7 L 900.9 006.82	39-00-52	120-06-50	07/71	309			357					259	
Lake Tahoe - South Center (C-1)	G7 L 900.0 000.0	39-00-00	120-00-00	07/68	309			357					259	
Lake Tahoe at Stateline - Lakeside Marina	G7 L 857.6 957.1	38-57-33	119-57-03	05/73	309			357					259	
Lake Tahoe at Surf and Sands Pier (S-10)	G7 L 857.0 958.02	38-57-00	119-58-00	07/71	309			357					259	
Lake Tahoe at Tahoe Keys Pier (S-1)	G7 L 856.3 000.5	38-56-18	120-00-29	08/71	308			356					259	
Lake Tahoe at U.S. Coast Guard Pier (S-5)	G7 L 910.8 007.12	39-10-50	120-07-05	08/71	309			357					259	
Lake Tahoe at Ward Creek Pier (S-11)	G7 L 907.8 009.2	39-07-50	120-09-09	08/71	309			357					259	
Lake Tahoe at Zephyr Cove Pier (S-8)	G7 L 900.4 956.9	39-00-26	119-56-56	08/71	309			357					259	
Long Valley Creek near Hallelujah Junction	G6 1705.00	39-46-55	120-04-14	03/71	308	316		356					257	
Madden Creek near Mouth (T-10)	G7 3160.01	39-05-27	120-09-43	08/71	309			357					259	
McCloud River above Shasta Lake	A2 2150.00	40-57-30	122-13-05	04/51	280								254	
Middle River at Bacon Island Bridge	B9 D 757.4 131.7	37-57-21	121-31-40	03/74	292			323	345				265	
Mill Creek near Mouth near Los Molinos	A0 4420.50	40-02-35	122-05-55	07/52	275	312		339					256	
Mokelumne River near Thornton	B9 D 815.3 126.3	38-15-20	121-26-21	02/68	305	315	333	355	362				264	
Mokelumne River at Woodbridge	B0 2105.00	38-09-30	121-18-10	04/51	286						373		259	
Mokelumne River, North Fork, at Broad Slough	B9 D 808.7 133.4	38-08-44	121-33-24	03/74	304			332	354				264	
Mokelumne River, SF, below Sycamore Slough	B9 D 807.6 129.7	38-07-34	121-29-43	03/74	302			331	353				264	
Natomas Main Drain to Sacramento River	A0 V 836.4 131.4	38-36-22	121-31-25	04/72	267			318					258	
Old River opposite Rancho Del Rio	B9 D 758.2 134.3	37-58-14	121-34-19	07/73	292			323	346				265	
Old River at Tracy Road Bridge	B9 D 748.3 126.9	37-48-17	121-26-55	02/68	290			321	344				265	
Paynes Creek near Red Bluff	A4 6050.01	40-18-54	122-04-12	10/58	282								256	
Pit River near Canby	A1 1680.00	41-24-23	120-55-38	04/51	279	313		341	360				255	
Pit River near Montgomery Creek	A1 1020.00	40-50-30	122-01-00	04/51	278	313		341					254	
Pit River, South Fork, near Likely	A1 4400.00	41-13-51	120-26-10	08/58	279								255	
Putah Creek near Winters	A9 1250.00	38-30-55	122-04-50	12/51	285								258	
Red Bank Creek near Red Bluff	A0 3460.00	40-05-25	122-24-45	01/59	273								259	
Rock Slough at Contra Costa Canal Intake	B9 D 758.6 138.3	37-58-35	121-38-19	09/52	293			323	346				265	
RD 70 Drainage to Sacramento River	A0 2965.00	39-04-06	121-51-42	08/69	272	312	318	338	360				258	
RD 108 Drainage to Sacramento River	A0 2933.00	38-51-48	121-47-30	08/69	270	312	318	337	360				258	
RD 784 Drain to Feather River	A0 V 857.4 134.4	38-57-26	121-34-26	09/75	267			318					258	
RD 787 Drainage to Colusa Basin Drain	A0 2950.00	38-48-06	121-43-36	08/69	271	312	318	338					258	
RD 787 Drainage to Sacramento River	A0 2955.00	38-50-48	121-43-48	08/69	271	312	318	338					258	
RD 1001 Drainage to Natomas Cross Canal	A0 V 847.4 135.8	38-47-25	121-35-47	04/72	267			318					258	
RD 1500 Drainage to Sacramento Slough	A0 2926.00	38-47-06	121-39-18		270			337					258	
Sacramento River at Bend Bridge	A0 2785.00	40-15-48	122-13-19	01/57	269	312		337	360				256	
Sacramento River at Butte City	A0 2500.00	39-27-25	121-59-35	01/57	269								256	
Sacramento River at Colusa	A0 2420.00	39-12-48	121-59-54	10/58	268								256	
Sacramento River above Colusa Basin Drain	A0 2230.02	38-48-29	121-43-25	07/60	268	312	318	336	360				258	
Sacramento River at Delta	A2 1300.00	40-56-20	122-24-55	04/51	280								254	
Sacramento River at Elkhorn Ferry	A0 2112.00	38-40-33	121-37-15	08/69	267			336					258	
Sacramento River at Emmonat	B9 D 805.1 144.3	38-05-04	121-44-17	10/67	300			330	352	362			265	
Sacramento River at Fremont West, West End	A0 2170.00	38-45-34	121-39-59	06/65	267				336	360	363	368	258	
Sacramento River at Greenes Landing	B9 D 820.7 132.7	38-20-45	121-32-42	07/62	306	315	334	355	362				264	
Sacramento River at Hamilton City	A0 2630.00	39-45-06	121-59-48	04/51	269								254	
Sacramento River at Keswick	A2 1010.00	40-36-40	122-26-45	04/51	279	313		341					256	
Sacramento River below Knights Landing	A0 2195.01	38-45-48	121-40-45	07/67	268			318					258	
Sacramento River above Point Sacramento	B9 D 803.8 149.2	38-03-45	121-49-10	03/71	299	315	328	350	361				265	
Sacramento River below Rio Vista Bridge	B9 D 809.4 141.0	38-09-27	121-41-01	01/68	304	315	332	354	362				264	
Sacramento River near Ryde	B9 D 814.5 133.2	38-14-28	121-33-09	03/74	305			333	355				264	
Sacramento River at Walnut Grove	B9 D 814.5 130.8	38-14-32	121-30-48	12/60							367		264	
Sacramento Slough at Sacramento River	A0 2925.00	38-46-50	121-38-20	01/51	270			318					258	
San Joaquin River at Antioch Ship Channel	B9 D 801.2 148.5	38-01-15	121-48-28	01/68	295	314	325	348	361				265	
San Joaquin River at Brandt Bridge	B9 D 751.9 119.3	37-51-53	121-19-19	03/57	292			323	345				265	
San Joaquin River at Buckley Cove	B9 D 758.7 122.9	37-58-42	121-22-55	02/68	293	314	324	346	361				265	
San Joaquin River at Jersey Point	B9 D 803.1 141.3	38-03-09	121-41-17	10/67	298	314	328	350	361				265	
San Joaquin River at Mossdale Bridge	B9 D 747.2 118.4	37-47-11	121-18-22	09/52	289			321	343	361	365	376	265	
San Joaquin River near Mouth of Middle River	B9 D 802.9 132.0	38-02-54	121-32-01	03/74	298			328	350				265	
San Joaquin River above Paradise Cut	B9 D 745.3 118.3	37-45-16	121-18-16	06/75	289			321	343				265	

TABLE D-1 (CONTINUED)
SAMPLING STATION DATA AND INDEX

STATION NAME	STATION NUMBER	LOCATION		RECORD BEGAN	DATA ON PAGES INDICATED									
		LATITUDE ° ' "	LONGITUDE ° ' "		TABLE								FIGURE	
					D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-1 D-2	
San Joaquin River at Potato Point	B9 D 804.7 134.0	38-04-40	121-34-00	03/71	299	315	329	351	362					265
San Joaquin River at Rindge Pump	B9 D 759.8 125.1	37-59-51	121-25-06	01/65						366				265
San Joaquin River near San Andreas Landing	B9 D 805.9 135.2	38-05-53	121-35-13	03/74	302		331	353						265
San Joaquin River at Twitchell Island	B9 D 805.8 140.1	38-05-50	121-40-05	02/68	301		330	352						265
San Joaquin River near Vernalis	B0 7020.00	37-40-34	121-15-51	04/51	287	314	319	342	360					259
Sherman Lake near Antioch	B9 D 802.6 147.6	38-02-34	121-47-34	11/68	297		327	349						265
Squirrel Creek near Penn Valley	A6 1265.00	39-12-38	121-12-04	07/72	283			342		365	371			257
Stockton Diverting Canal at Stockton	B0 2580.00	37-58-53	121-14-54	08/69	286						374			259
Stockton Ship Channel at Burns Cutoff	B9 D 757.8 121.9	37-57-46	121-21-54	10/68							366	377		265
Stony Creek below Black Butte Dam	A3 1110.00	39-49-00	122-20-10	01/58	280	313		341						256
Stony Creek near Fruto	A3 1250.00	39-40-15	122-31-05	02/60	280	313		341	360					256
Susan River near Litchfield	G4 1590.01	40-22-45	120-23-35	11/68	307	316		356	362					257
Susan River at Susanville	G4 1600.00	40-25-05	120-40-15	04/51	308	316		356						257
Sutter BP State PP No. 1 near Nicolaus	A0 5910.00	38-56-00	121-38-06		276		318	339						238
Sutter BP State PP No. 2 near Tisdale	A0 5920.00	39-01-36	121-43-30		276		318	340						258
Sutter BP State PP No. 3 near Yuba City	A0 5925.00	39-07-18	121-46-48		276		318	340						256
Sycamore Slough near Mouth	B9 D 808.5 128.0	38-08-28	121-28-00	03/74	303		331	353						264
Taylor Creek near Camp Richardson (T-4)	G7 3571.01	38-55-50	120-03-13	07/68	310			357						259
Thermalito Afterbay Release to Feather River	A0 5975.00	39-27-24	121-38-09	10/69						364				256
Third Creek near Mouth (T-6)	G7 3230.01	39-14-26	119-56-46	08/71	309			357						259
Thomes Creek at Paskenta	A3 2120.00	39-52-55	122-33-05	10/58	281			342						256
Thomes Creek at Richfield	A0 3220.01	39-58-45	122-10-35	01/59	273									256
Trout Creek at South Lake Tahoe (T-9)	G7 3810.00	38-55-55	119-58-40		310			358						259
Truckee River at Farad	G7 1195.00	39-25-13	120-01-51	04/51	309									257
Turner Cut at McDonald Island Ferry	B9 D 758.8 128.5	37-58-47	121-28-27	03/74	294		324	347						265
Upper Truckee River near Mouth (T-1)	G7 3705.01	38-55-24	119-59-28	07/68	310			358						259
Wadsworth Canal near Sutter	A0 5927.00	39-07-42	121-45-12		276		318	340						256
Ward Creek near Mouth (T-5)	G7 3050.01	39-07-57	120-09-24	08/71	309			357						259
West Canal at Mouth of Intake to Clif Ct Fby	B9 D 749.8 133.2	37-49-50	121-33-09	03/73	291	314	322	345	361					265
West Walker River below Little Walker River	G9 2460.00	38-22-48	119-27-00	08/58	310									260
White Slough at Correia Ferry (Site)	B9 D 805.0 128.1	38-05-01	121-28-07	03-74	300		329	351						265
Yolo Bypass below Sacramento Bypass	A0 2905.00	38-35-06	121-35-00	04/72	269		318							258
Yuba River at Marysville	A0 6120.00	39-08-32	121-34-30	04/51	276									256

SACRAMENTO

BY-PASS

070

RIVER



SCALE OF MILES
0 2 4 6

0 814.5 133.2
0 814.5 106.3
0 814.5 108.0
0 814.5 109.8

0 809.4 141.0
0 809.4 135.8
0 809.7 131.1
0 809.7 129.7

B9

MINERAL ANALYSES OF SURFACE WATER

Sampler and Lab Agency Codes

1904	-	California Department of Transportation, District 4 Lab.
2163	-	California Department of Water Resources for SWRCB
3207	-	California Department of Transportation
5001	-	U. S. Bureau of Reclamation
5050	-	California Department of Water Resources

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
G.H.	-	Instantaneous gage height in feet above an established datum
Q	-	Instantaneous discharge in cubic feet per second
DEPTH	-	Depth in feet at which sample was collected
DO	-	Dissolved oxygen content in milligrams per liter
SAT	-	Percent of normal dissolved oxygen saturation
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)
PH	-	Measure of acidity (<7) or alkalinity (>7) of water
EC	-	Electrical conductance in micromhos at 25°C
TDS	-	Gravimetric determination of total dissolved solids at 180°C (Value followed by * is determination at 105°C)
SUM	-	Total dissolved solids by summation of analyzed constituents
TH	-	Total hardness
NCH	-	Noncarbonate hardness - any excess of total hardness over total alkalinity
TURB	-	Jackson Turbidity Units measured with a Hellige Turbidimeter (E) or a Hack Nephelometer (A) with (F) for field determination.
SAR	-	Sodium adsorption ratio

PERCENT REACTANCE VALUE is determined by dividing the sum of the cations or anions in milliequivalents per liter into each constituent in milliequivalents per liter, arriving at a percentage. For a partial analysis, an approximate value is determined by multiplying the electrical conductance by 0.01 and using that as the cation or anion sum.

Mineral Constituents

B	-	Boron	K	-	Potassium
CA	-	Calcium	MG	-	Magnesium
CL	-	Chloride	NA	-	Sodium
CO3	-	Carbonate	NO3	-	Nitrate
F	-	Fluoride	SI02	-	Silica
HCO3	-	Bicarbonate	SO4	-	Sulfate

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	Q _h DEPTH	DO SAT	TEMP	FIELD LABORATORY PM EC	MINERAL CONSTITUENTS IN CA MG NA K	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE	MILLIGRAMS PER LITER B F TDS TH (UR) S102 SUM NCH SAR
.								
40 V 836.4 131.4 NATOMAS MAIN DRAIN TO SACRAMENTO RIVER								
09/17/75	5:50n	5.1	69	F	7.3	417	--	--
0730	5:50n	56	21	C		461	--	--
40 V 847.4 135.8 R=0 1001 DRAINAGE TO NATOMAS CROSS CANAL								
09/17/75	5:50n	5.4	70	F	7.2	386	--	--
0830	5:50n	63	21	C		431	--	--
40 V 857.4 134.4 R=0 784 DRAIN TO FEATHER RIVER								
09/17/75	5:50n	6.1	69	F	7.0	135	--	--
1030	5:50n	67	21	C		150	--	--
40 2112.00 SACRAMENTO RIVER AT ELMKORN FERRY								
10/16/74	5:50	8.7	61	F	7.3	95	--	8A
0745	5:50	88	16	C		99	--	
11/20/74	5:50n	10.1	53	F	7.3	102	--	9A
0930	5:50n	21160	93	12	C	105	--	
12/18/74	5:50	10.7	49	F	7.3	107	--	5A
0910	5:50	19800	93	9	C	120	--	
01/15/75	5:50n	11.5	46	F	7.3	112	--	11A
0915	5:50n	10800	96	8	C	130	--	
02/19/75	5:50n	10.3	47	F	7.2	134	--	30A
0915	5:50n	53160	88	8	C	149	--	
03/19/75	5:50n	10.7	50	F	7.4	131	--	30A
0730	5:50	41700	95	10	C	152	--	
04/16/75	5:50n	10.1	54	F	7.4	116	--	14A
0830	5:50	24600	93	12	C	132	--	
05/21/75	5:50	9.1	60	F	7.4	118	--	11A
0730	5:50	3,400	91	16	C	132	--	
08/18/75	5:50n	8.4	66	F	7.4	106	--	7A
0745	5:50	20600	91	19	C	111	--	
07/16/75	5:50	9.1	68	F	7.5	106	--	7A
0800	5:50	16200	94	20	C	115	--	
08/26/75	5:50n	8.3	68	F	7.4	134	--	8A
0745	5:50	17800	91	20	C	141	--	
09/17/75	5:50n	4.3	67	F	7.5	129	--	7A
0600	5:50	19100	90	19	C	141	--	
40 2170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END								
10/16/74	5:50	10.60	9.6	61	F	7.4	117	15A
1000	5:50	97	16	C	7.8	128	10	0.4
11/20/74	5:50n	20.41	10.2	53.5F	7.4	123	11	8A
1115	5:50	94	11.9C	8.0	139	155	10	0.5
12/18/74	5:50	20.10	10.7	50	F	7.4	146	8A
1115	5:50n	95	10	C	7.6	162	13	0.6
01/15/75	5:50n	18.46	11.4	47	F	7.4	148	12A
1145	5:50n	97	8	C	8.3	189	15	0.6
02/19/75	5:50n	11.6	47	F	7.3	142	13	25A
1100	5:50	93	8	C	7.9	156	10	0.4
03/19/75	5:50n	29.89	10.9	49	F	7.4	150	29A
0930	5:50n	95	9	C	7.7	170	13	0.5
04/16/75	5:50n	23.15	9.4	55	F	7.4	140	19A
1000	5:50	93	13	C	7.7	158	11	0.5
05/21/75	5:50n	25.70	9.2	60.0F	7.4	135	11	24A
0930	5:50n	92	15.5C	7.3	151	155	10	0.3
06/18/75	5:50n	19.69	8.8	60.0F	7.4	135	11	25A
1015	5:50n	94	20.0C	8.3	152	155	10	0.5
07/16/75	5:50n	17.90	8.4	69	F	7.5	177	12A
1045	5:50n	94	21	C	8.1	193	13	0.6

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER L#	G.M. U DEPTH	NO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	PERCENT REACTANCE VALUE				H	F	TDS SUM	TH MCM	TURB SAR	
											HC03	SO4	CL	NO3						
CONTINUED																				
AC 2170.00 SACRAMENTO RIVER AT FOREMONT WEIR, WEST END																				
08/20/75	5:50	19.11	8.7	66.0F	7.6	180	14	8.9	16	1.0	0	97	16	7.2	.5	1.10	--	142	73	22A
0930	5:50		93	18.9C	8.6	223	70	32	73	70	.03	.00	1.59	.33	.20	.01	--	111	0	0.8
09/17/75	5:50	19.43	8.1	71 F	7.4	218	15	10	18	1.4	0	104	17	9.6	--	1.10	--	149	78	24A
1130	5:50		91	22 C	7.8	240	75	31	82	78	.04	.00	1.70	.35	.27	--	--	122	0	0.9
AC 2195.01 SACRAMENTO RIVER BELOW KNIGHTS LANDING																				
10/23/74	5:50	10.2	57.2F	7.4	135	--	--	7.7	--	0	04	--	2.6	--	.00	--	--	49	18A	
1400	5:50	10700	99	14.0C	7.6	134	--	23	--	.00	1.05	--	.07	--	--	--	--		0.5	
11/19/74	5:50	10.7	53.6F	7.7	139	--	--	--	--	--	--	--	--	--	--	--	--		9AF	
1610		11800	99	12.0C																
12/18/74	5:50	11.3	50.0F	7.6	153	--	--	--	--	--	--	--	--	--	--	--	--		10AF	
1910		12600	100	11.0C																
09/24/75	5:50	9.0	60.0F	8.4	179	--	--	--	--	--	--	--	--	--	--	--	--		10AF	
1950		9570	100	21.0C																
AC 2220.02 SACRAMENTO RIVER ABOVE COLUSA BASIN DAM																				
10/23/74	5:50	21.36	9.9	55.4F	7.4	112	--	--	5.2	--	0	58	--	1.2	--	.00	--	44	14A	
1230	5:50	10700E	94	13.0C	7.7	113	--	--	23	--	.00	.45	--	.03	--	--	--	0.3		
11/19/74	5:50	22.51	10.7	53.6F	7.7	125	--	--	21	--	--	--	--	--	--	--	--	8AF		
1350		11800E	99	12.0C																
12/18/74	5:50	22.63	11.4	50.0F	7.6	142	--	--	--	--	--	--	--	--	--	--	--			
1300		12600E	101	10.0C																
01/22/75	5:50	20.12	11.1	48.2F	7.5	145	--	--	--	--	--	--	--	--	--	--	--		8AF	
1320		9040E	95	9.0C																
02/26/75	5:50	24.02	11.4	49.1F	7.4	153	--	--	--	--	--	--	--	--	--	--	--		29AF	
1140		22000E	100	9.5C																
03/26/75	5:50	37.25	11.1	50.9F	7.9	134	--	--	--	--	--	--	--	--	--	--	--		60AF	
1410		20900E	99	11.5C																
04/23/75	5:50	22.51	9.9	50.0F	8.0	146	--	--	7.4	--	0	72	--	3.2	--	.00	--	58	14A	
1315	5:50	12200E	94	15.0C	7.4	146	--	--	22	--	.00	1.18	--	.09	--	--	--	0.4		
05/22/75	5:50	26.61	9.6	60.0F	7.6	131	--	--	--	--	--	--	--	--	--	--	--		22AF	
1210		17200E	97	16.0C																
06/24/75	5:50	21.03	8.8	60.2F	8.0	132	--	--	--	--	--	--	--	--	--	--	--		14AF	
1310		9750E	94	14.0C																
07/29/75	5:50	19.84	8.5	70.7F	7.4	139	--	--	--	--	--	--	--	--	--	--	--		10AF	
1310		8250E	96	21.5C																
08/26/75	5:50	21.24	8.5	68.0F	7.4	162	--	--	--	--	--	--	--	--	--	--	--		13AF	
1250		10200E	93	21.0C																
09/24/75	5:50	20.29	8.6	68.0F	7.6	140	--	--	--	--	--	--	--	--	--	--	--		10AF	
1344		9570E	94	20.0C																
AC 2420.00 SACRAMENTO RIVER AT COLUSA																				
10/23/74	5:50	44.98	10.0	50.0F	7.5	110	--	--	5.2	--	0	58	--	1.2	--	.00	--	43	22A	
1000	5:50	13100	99	15.0C	7.7	112	--	--	23	--	.00	.45	--	.03	--	--	--	0.3		
11/19/74	5:50	46.26	11.1	53.6F	7.7	126	--	--	21	--	--	--	--	--	--	--	--		7AF	
1055		103	103	12.0C																
12/18/74	5:50	46.61	11.1	50.0F	7.6	131	--	--	--	--	--	--	--	--	--	--	--		9AF	
1005		12100	98	16.0C																
01/22/75	5:50	43.83	11.7	48.2F	7.4	133	--	--	--	--	--	--	--	--	--	--	--		6AF	
1045		8900	101	9.0C																
02/26/75	5:50	53.41	10.3	50.0F	7.4	149	--	--	--	--	--	--	--	--	--	--	--		19AF	
0930		20900	91	10.0C																
03/26/75	5:50	64.51	10.4	50.0F	7.4	120	--	--	--	--	--	--	--	--	--	--	--		160AF	
1210		39700	94	10.0C																
04/23/75	5:50	48.13	9.9	54.5F	7.6	143	--	--	--	--	--	--	--	--	--	--	--		14AF	
1015		13900	93	12.5C																
05/22/75	5:50	50.50	9.6	54.0F	7.8	119	--	--	--	--	--	--	--	--	--	--	--		16AF	
1010		17000	95	15.0C																

TABLE 0-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLE LAB	G.M. O DEPTH	OO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS SUM	TH NCH	TURB SAR

AO 2420.00										SACRAMENTO RIVER AT COLUSA										6AF
06/24/75 1000	5:50	46.02 10800	9.1 96	64.4F 18.0C	7.6	126	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/29/75 1015	5:50	44.67 9090	9.1 100	68.0F 20.0C	7.5	124	--	--	--	--	--	--	--	--	--	--	--	--	7AF	
08/26/75 0940	5:50	45.16 9720	9.0 97	66.2F 19.0C	7.6	127	--	--	--	--	--	--	--	--	--	--	--	--	7AF	
09/24/75 0850	5:50	44.03 8350	9.4 99	64.4F 18.0C	8.4	123	--	--	--	--	--	--	--	--	--	--	--	--	5AF	
AO 2500.00										SACRAMENTO RIVER AT HUTTE CITY										7AF
11/19/74 0930	5:50	72.74 11500	11.7 107	52.7F 11.5C	7.7	128	--	--	--	--	--	--	--	--	--	--	--	--		
01/22/75 0914	5:50	71.27 8170	10.7 93	48.2F 9.0C	7.3	133	--	--	--	--	--	--	--	--	--	--	--	--	5AF	
03/26/75 0815	5:50 5:50	89.78 80800	10.9 94	48.2F 9.0C	7.3 7.7	118 116	--	--	6.2 .27 22	--	0 .00	58 .95	--	1.9 .05	--	.00	--	--	48 190A 0.4	
05/22/75 0840	5:50	74.53 16500	9.9 98	57.2F 14.0C	8.0	119	--	--	--	--	--	--	--	--	--	--	--	--	10AF	
07/29/75 0850	5:50	72.11 10100	9.0 94	63.5F 17.5C	7.4	123	--	--	--	--	--	--	--	--	--	--	--	--	5AF	
09/24/75 0710	5:50	71.47 8610	9.8 101	62.6F 17.0C	7.5	123	--	--	--	--	--	--	--	--	--	--	--	--	4AF	
AO 2633.00										SACRAMENTO RIVER AT HAMILTON CITY										7AF
11/15/74 1340	5:50	29.99 11670	11.9 110	53.6F 12.0C	7.1	123	--	--	--	--	--	--	--	--	--	--	--	--		
01/08/75 1015	5:50	31.27 15890	10.8 94	48.2F 9.0C	7.6	153	--	--	--	--	--	--	--	--	--	--	--	--	24AF	
03/20/75 1015	5:50 5:50	40.93 69500	10.3 90	49.1F 9.5C	7.8 7.6	106 105	--	--	5.0 .22 20	--	0 .00	53 .87	--	3.8 .11	--	.00	--	--	43 110A 0.3	
05/02/75 0835	5:50	31.64 17210	10.9 101	53.6F 12.0C	8.1	124	--	--	--	--	--	--	--	--	--	--	--	--	11AF	
07/02/75 0845	5:50	31.72 18630	10.8 97	57.2F 14.0C	7.6	114	--	--	--	--	--	--	--	--	--	--	--	--	5AF	
09/22/75 1000	5:50	28.98 8570	9.8 99	62.6F 17.0C	8.4	116	--	--	--	--	--	--	--	--	--	--	--	--	4AF	
AO 2785.00										SACRAMENTO RIVER AT RENO BRIDGE										5AF
11/14/74 0840	5:50	20.55 10950	11.0 100	51.0F 11.0C	7.2	120	--	--	--	--	--	--	--	--	--	--	--	--		
01/15/75 0830	5:50	19.09 7800	11.6 99	46.4F 8.0C	8.2	142	--	--	--	--	--	--	--	--	--	--	--	--	4AF	
03/05/75 0800	5:50	20.38 10950	10.7 93	48.2F 9.0C	7.4	133	--	--	--	--	--	--	--	--	--	--	--	--	8AF	
05/21/75 1320	5:50 5:50	22.21 16400	10.8 101	53.6F 12.0C	7.4 7.9		--	--	5.6 .24 21	--	0 .00	56 .92	--	2.1 .06	--	.00	--	--	44 3A 0.4	
07/22/75 0735	5:50	21.95 12400	10.6 94	54.5F 12.5C	7.1	115	--	--	--	--	--	--	--	--	--	--	--	--	3AF	
09/11/75 0745	5:50	19.56 9100	9.4 90	55.4F 13.0C	7.7	107	--	--	--	--	--	--	--	--	--	--	--	--	3AF	
AO 2905.00										YOL0 BYPASS BELOW SACRAMENTO BYPASS										5AF
09/17/75 1230	5:50	11.05 5000	6.9 80	74 F 23 C	7.8 632		--	--	--	--	--	--	--	--	--	--	--	--		

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	O.H. 0 DEPTH	00 SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN	MG	NA	K	CO3	PERCENT REACTANCE VALUE	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER NO3	8	F	TDS SUM	TH NCH	TURB SAR

AO 2925.00 SACRAMENTO SLOUGH AT SACRAMENTO RIVER																		
10/23/74	5050		8.0	63.5F	7.6	245	--	--	14	--	0	128	--	11	--	.00	--	93 12A
1200	5050	590	83	17.5C	8.0	245	--	--	.61	--	.00	2.10	--	.31	--	--	--	0.6
									25									
01/22/75	5050		10.5	47.3F	7.6	318	--	--	22	--	0	196	--	19	--	1.90	--	146 34A
1245	5050	570	90	8.5C	8.3	374	--	--	.96	--	.00	3.21	--	.54	--	--	--	0.8
									25									
04/23/75	5050		8.3	60.8F	7.6	365	--	--	--	--	--	--	--	--	--	--	--	45AF
1230		1200	84	16.0C														
06/24/75	5050		6.6	69.8F	7.6	427	--	--	--	--	--	--	--	--	--	--	--	37AF
1225		1090	74	21.0C														
07/29/75	5050		6.0	77.9F	7.6	486	--	--	--	--	--	--	--	--	--	--	--	96AF
1220		980	73	25.5C														
08/26/75	5050		6.0	75.2F	7.4	475	--	--	--	--	--	--	--	--	--	--	--	113AF
1125		1240	71	24.0C														
09/24/75	5050		6.6	75.2F	7.6	495	--	--	--	--	--	--	--	--	--	--	--	21AF
1310		790	78	24.0C														
AO 2926.00 R-O 1500 DRAINAGE TO SACRAMENTO SLOUGH																		
11/19/74	5050		9.9	55.4F	7.7	482	--	--	41	--	0	187	--	51	--	.20	--	155 12A
1320	5050		94	13.0C	8.0	497	--	--	1.78	--	.00	3.06	--	1.44	--	--	--	1.4
									36									
12/18/74	5050		10.6	50.0F	8.1	732	--	--	74	--	0	300	--	94	--	.20	--	263 17A
1230	5050		94	10.0C	8.2	828	--	--	3.22	--	.00	4.92	--	2.65	--	--	--	2.0
									38									
AO 2933.00 R-O 108 DRAINAGE TO SACRAMENTO RIVER																		
10/23/74	5050		10.2	62.6F	8.2	349	--	--	17	14	34	1.5	0	134	38	18	2.1	29A
1320	5050	310	105	17.0C	8.1	365	--	--	.85	1.15	1.48	.04	.00	2.20	.79	.51	.03	1.5
									24	33	42	1		62	22	14	1	
11/19/74	5050		7.3	53.6F	8.4	968	--	--	129	--	14	343	--	73	--	.50	--	284 22A
1505	5050	.0	68	12.0C	8.5	1060	--	--	5.61	--	.47	5.62	--	2.06	--	--	--	3.3
									50									
12/18/74	5050		8.8	49.1F	8.1	869	--	--	--	--	--	--	--	--	--	--	--	23AF
1410		.0	77	9.5C														
01/22/75	5050		7.4	48.2F	8.0	913	--	--	118	--	6.0	349	--	88	--	.60	--	309 17A
1425	5050	460	64	9.0C	8.4	1080	--	--	5.13	--	.20	5.72	--	2.48	--	--	--	2.9
									45									
02/26/75	5050		7.7	58.1F	7.8	934	--	--	--	--	--	--	--	--	--	--	--	16AF
1235		.0	75	14.5C														
03/26/75	5050		9.5	51.8F	8.2	969	--	--	118	--	12	287	--	90	--	.50	--	292 44A
1525	5050	.0	86	11.0C	8.5	1020	--	--	5.13	--	.40	4.70	--	2.54	--	--	--	3.0
									47									
04/23/75	5050		11.4	60.8F	8.4	806	--	--	94	--	0	244	--	65	--	.30	--	217 21A
1200	5050	.0	115	16.0C	8.3		--	--	4.09	--	.00	4.00	--	1.83	--	--	--	2.8
									49									
05/22/75	5050		5.7	69.8F	8.1	493	--	--	--	--	--	--	--	--	--	--	--	84AF
1320		440	64	21.0C														
06/24/75	5050		6.4	69.8F	7.4	503	--	--	--	--	--	--	--	--	--	--	--	41AF
1415		100	71	21.0C														
07/29/75	5050		5.8	77.0F	7.3	533	--	--	--	--	--	--	--	--	--	--	--	23AF
1410		140	70	25.0C														
08/26/75	5050		5.8	73.4F	7.3	571	--	--	--	--	--	--	--	--	--	--	--	26AF
1350		460	67	23.0C														
09/24/75	5050		6.0	73.4F	7.9	883	--	--	--	--	--	--	--	--	--	--	--	26AF
1455		.0	69	23.0C														
AO 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING																		
10/23/74	5050		23.45	9.7	60.8F	8.0	659	--	--	--	--	--	--	--	--	--	--	38AF
1300		173	98	16.0C														
11/19/74	5050		23.46	10.5	54.5F	8.3	823	--	--	94	--	0	285	--	49	--	.30	237 30A
1430	5050		98	12.5C	8.2	866	--	--	4.09	--	.00	4.67	--	1.38	--	--	--	2.7
									46									
12/18/74	5050		23.52	10.9	50.0F	8.2	990	--	--	119	--	0	302	--	63	--	.40	274 38A
1335	5050	88	96	10.0C	8.1	1020	--	--	5.18	--	.00	4.95	--	1.78	--	--	--	3.1
									49									
01/22/75	5050		21.54	10.5	48.2F	8.0	892	--	--	--	--	--	--	--	--	--	--	47AF
1355			91	9.0C														
02/26/75	5050		10.3	53.6F	8.0	1180	--	--	--	--	--	--	--	--	--	--	--	32AF
1200		361	95	12.0C														

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	O.M. 9 DEPTH	DO SAT	TEMP	FIELD LABORATORY PM EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	0	F	TO3	TH	TURB

AD 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING										CONTINUED									
03/26/75 1555	SUSO SUSO	1170E	9.9 90	51.8F 11.0C	8.1 8.3	707 721	-- --	88 3.83 50	-- --	0 +00	204 3.34	-- --	45 1.27	-- --	.20 --	-- --	188 415A 2.8		
04/23/75 1045	SUSO SUSO	23.88 24	8.7 88	60.8F 16.0C	8.2 8.3	826	-- --	100 4.35 48	-- --	0 +00	237 3.88	-- --	60 1.69	-- --	.30 --	-- --	238 100A 2.8		
05/22/75 1250	SUSO	27.35 750	7.4 80	67.1F 19.5C	8.0	508	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	55AF		
07/29/75 1320	SUSO	24.52 409	6.5 81	80.6F 27.0C	7.9	655	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	44AF		
08/26/75 1325	SUSO	24.53 1330	6.1 72	75.2F 24.0C	7.6	620	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	60AF		
09/24/75 1425	SUSO SUSO	23.47 627	6.3 74	75.2F 24.0C	7.8 8.2	648 639	-- --	68 2.96 44	-- --	0 +00	253 4.15	-- --	35 .99	-- --	.30 --	-- --	189 86A 4.2		
AD 2950.00 R-0 787 DRAINAGE TO COLUSA BASIN DRAIN																			
11/09/74 1415	SUSO	19.00	3.9 28	55.4F 13.0C	7.5	428	-- --	55.4F 3.57 44	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	17AF		
01/22/75 1345	SUSO SUSO	10	11.6 98	46.4F 8.0C	8.2 8.1	665 799	-- --	82 3.57 44	-- --	0 +00	345 5.65	-- --	38 1.07	-- --	.90 --	-- --	229 21A 2.4		
02/26/75 1200	SUSO SUSO		7.9 72	52.7F 11.5C	7.3 8.0	429 424	-- --	29 1.28 30	-- --	0 +00	196 3.21	-- --	16 .45	-- --	.40 --	-- --	150 29A 1.0		
03/26/75 1440	SUSO SUSO		10.4 94	51.8F 11.0C	8.2 8.5	635 639	-- --	82 2.70 39	-- --	0 +33	233 3.82	-- --	37 1.07	-- --	.90 --	-- --	209 120A 1.9		
04/23/75 1025	SUSO SUSO		9.2 93	60.8F 16.0C	8.3 8.5	758	-- --	81 3.52 42	-- --	0 +27	313 5.13	-- --	39 1.10	-- --	.90 --	-- --	240 18A 2.3		
05/22/75 1230	SUSO SUSO		7.4 82	60.8F 21.0C	8.4 8.2	563 552	-- --	47 2.04 36	-- --	0 +00	231 3.79	-- --	24 .68	-- --	.50 --	-- --	182 10A 1.5		
06/24/75 1325	SUSO SUSO		9.6 109	71.6F 22.0C	7.9 7.9	475 492	-- --	42 1.83 35	-- --	0 +00	213 3.49	-- --	22 .62	-- --	.40 --	-- --	168 6A 1.4		
07/29/75 1315	SUSO		5.5 65	70.1F 24.5C	7.4	556	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	14AF		
08/26/75 1225	SUSO		5.6 64	71.6F 22.0C	7.3	570	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	16AF		
09/24/75 1410	SUSO		3.8 44	73.4F 23.0C	7.6	653	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	28AF		
AD 2955.00 R-0 787 DRAINAGE TO SACRAMENTO RIVER																			
10/23/74 1340	SUSO SUSO	19.00	8.6 87	60.8F 16.0C	7.8 7.9	618 632	34 1.70	30 2.47 38	52 2.26 35	2.7 +07 1	0 +00	260 4.26 66	68 1.42 22	28 .79 12	1.8 +03 12	.70 --	369 345	209 0	90A 1.4
11/19/74 1530	SUSO SUSO	19.30	9.4 87	53.6F 12.0C	8.1 8.3	428 459	-- --	30 1.31 28	-- --	0 +00	206 3.38	-- --	20 .56	-- --	.30 --	-- --	170 19A 1.0		
12/18/74 1435	SUSO SUSO	19.30	9.9 88	50.8F 10.0C	7.8 8.2	361 401	-- --	24 1.04 24	-- --	0 +00	198 3.25	-- --	13 .37	-- --	.20 --	-- --	165 18A 0.8		
01/22/75 1445	SUSO SUSO	19.20 +0	9.5 83	49.1F 9.5C	7.9 8.3	579 667	-- --	43 1.87 25	-- --	0 +00	303 4.97	-- --	34 .96	-- --	.50 --	-- --	276 22A 1.1		
02/26/75 1255	SUSO		9.1 86	55.4F 13.0C	7.6	724	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	25AF		
03/26/75 1545	SUSO SUSO		10.3 99	56.3F 13.5C	8.1 8.4	680 669	-- --	51 2.22 44	-- --	0 +20	154 2.52	-- --	33 .93	-- --	.40 --	-- --	140 38A 1.9		
04/23/75 1230	SUSO SUSO		9.3 94	60.8F 16.0C	8.0 8.3	670	-- --	53 2.31 32	-- --	0 +00	288 4.72	-- --	34 .96	-- --	.60 --	-- --	251 23A 1.5		
05/22/75 1345	SUSO		6.2 69	60.8F 21.0C	7.4	497	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	53AF		
08/24/75 1445	SUSO SUSO		6.7 75	69.8F 21.0C	7.2 7.9	389 400	-- --	28 1.22 30	-- --	0 +00	172 2.82	-- --	17 .48	-- --	.20 --	-- --	144 35A 1.0		
07/29/75 1430	SUSO SUSO		6.4 77	77.0F 25.0C	7.2 7.9	451 451	-- --	33 1.44 35	-- --	0 +00	256 4.20	-- --	19 .54	-- --	.20 --	-- --	133 35A 1.2		

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	0.M. Q DEPTH	00 SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	H	F	TDS SUM	TH NCH

A0 2955.00 R-D 787 DRAINAGE TO SACRAMENTO RIVER CONTINUED																		
08/26/75 1425	5J5n		5.6 65	74.3F 23.5C	7.2 458	--	--	--	--	--	--	--	--	--	--	--	--	27AF
09/24/75 1525	5J5n		6.5 77	75.2F 24.0C	7.8 696	--	--	--	--	--	--	--	--	--	--	--	--	45AF
A0 2965.00 R-D 70 DRAINAGE TO SACRAMENTO RIVER																		
10/23/74 1110	5J50 5J50	34.00	6.8 69	60.8F 16.0C	8.2 980 8.2 1020	--	--	88 3.83 37	--	0 .00	401 6.57	--	111 3.13	--	.30	--	329	5A 2.1
11/19/74 1225	5J50	37.00	8.8 83	55.4F 13.0C	8.1 552	--	--	--	--	--	--	--	--	--	--	--	--	15AF
12/18/74 1105	5J5n 5J50	33.93	9.5 84	50.0F 10.0C	8.0 678 8.1 721	--	--	56 2.44 33	--	0 .00	272 4.46	--	74 2.09	--	.20	--	249	9A 1.5
01/22/75 1145	5J5n	34.20	9.4 81	48.2F 9.0C	8.1 844	--	--	--	--	--	--	--	--	--	--	--	--	24AF
02/26/75 1025	5J50		9.3 87	54.5F 12.5C	7.8 1091	--	--	--	--	--	--	--	--	--	--	--	--	26AF
03/26/75 1300	5J5n 5J50	10.3	9.1 91	50.0F 10.0C	7.5 953 8.5 956	--	--	71 3.09 29	--	12 .40	348 5.78	--	114 3.21	--	.20	--	37n	25A 1.8
04/23/75 1130	5J5n 5J50		8.7 86	59.0F 15.0C	8.0 540	--	--	37 1.61 29	--	0 .00	212 3.47	--	53 1.49	--	.10	--	199	34A 1.1
05/22/75 1115	5J50		6.4 69	66.2F 14.0C	7.7 575	--	--	--	--	--	--	--	--	--	--	--	--	32AF
06/24/75 1140	5J5n		6.0 64	70.7F 21.5C	7.5 558	--	--	--	--	--	--	--	--	--	--	--	--	27AF
07/29/75 1115	5J50		6.0 72	77.0F 25.0C	7.3 470	--	--	--	--	--	--	--	--	--	--	--	--	25AF
08/26/75 1040	5J5n		5.6 65	73.4F 23.0C	7.4 545	--	--	--	--	--	--	--	--	--	--	--	--	18AF
09/24/75 1100	5J50		6.4 81	75.2F 24.0C	8.0 726	--	--	--	--	--	--	--	--	--	--	--	--	28AF
A0 2972.00 WHITE SLOUGH NEAR MEROJIAN																		
11/19/74 1125	5J5n 5J50	43.50	8.4 80	55.4F 13.0C	7.1 181 7.8 189	--	--	12 .52 27	--	0 .00	101 1.66	--	5.2 .15	--	.10	--	71	16A 0.6
12/18/74 1040	5J5n 5J50	43.67	10.0 86	48.2F 9.0C	8.4 230 7.8 256	--	--	18 .78 28	--	0 .00	135 2.21	--	8.7 .25	--	.10	--	99	26A 0.8
01/22/75 1115	5J5n	41.19	10.8 91	46.4F 8.0C	7.4 253	--	--	--	--	--	--	--	--	--	--	--	--	21AF
02/26/75 1000	5J5n	47.38	8.6 79	52.7F 11.5C	7.3 233	--	--	--	--	--	--	--	--	--	--	--	--	62AF
03/26/75 1235	5J50 5J5n	54.30	10.8 96	50.0F 10.0C	7.5 131 7.9 127	--	--	6.4 .28 21	--	0 .00	63 1.03	--	2.9 .08	--	.00	--	52	130A 0.4
04/23/75 1045	5J5n 5J50		8.1 80	59.0F 15.0C	7.4 216	--	--	12 .52 22	--	0 .00	118 1.93	--	5.4 .15	--	.00	--	92	31A 0.5
05/22/75 1045	5J5n	46.48	7.9 83	64.4F 18.0C	7.4 228	--	--	--	--	--	--	--	--	--	--	--	--	26AF
06/24/75 1050	5J5n	42.63	8.1 71	73.4F 23.0C	7.6 309	--	--	--	--	--	--	--	--	--	--	--	--	23AF
07/29/75 1050	5J50	42.38	8.6 82	80.6F 27.0C	7.4 337	--	--	--	--	--	--	--	--	--	--	--	--	11AF
08/26/75 1010	5J50	43.01	5.5 65	75.2F 24.0C	7.2 333	--	--	--	--	--	--	--	--	--	--	--	--	10AF
09/24/75 0930	5J50	41.86	5.0 58	73.4F 23.0C	7.2 317	--	--	--	--	--	--	--	--	--	--	--	--	11AF

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLE LAB	G.M. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	R	F	TDS SUM	TH NCH	TURB SAR
COLUSA BASIN DRAIN AT HIGHWAY 20																				
10/23/74 0915	5U5N	38.53 220	8.9 84	55.4F 13.0C	7.8	584	--	--	--	--	--	--	--	--	--	--	--	--	294F	
11/19/74 1025	5U5N 5U5N	37.91 122	10.2 93	52.7F 11.5C	8.1 8.4	827 846	--	--	90 3.92 45	--	6.0 0.20	2.94 4.02	--	48 1.25	--	1.3n	--	242	194 2.5	
12/18/74 0940	5U5N	38.47 228	9.7 84	48.2F 9.0C	8.1	915	--	--	--	--	--	--	--	--	--	--	--	--	224F	
02/26/75 0845	5U5N	38.71 200	9.2 83	51.8F 11.0C	8.0	1230	--	--	--	--	--	--	--	--	--	--	--	--	444F	
03/26/75 1015	5U5N	41.96 884	10.1 89	50.0F 10.0C	8.2	759	--	--	--	--	--	--	--	--	--	--	--	--	984F	
04/23/75 0905	5U5N	37.74 122	8.4 85	57.2F 14.0C	8.0 8.1	758	--	--	88 3.83 49	--	0 0.00	1.93 3.16	--	56 1.58	--	1.2n	--	194	224 2.7	
05/22/75 0925	5U5N	44.51 1390	7.3 74	66.2F 19.0C	7.8	560	--	--	--	--	--	--	--	--	--	--	--	--	434F	
06/24/75 0905	5U5N	41.49 663	6.9 75	60.0F 20.0C	7.8	544	--	--	--	--	--	--	--	--	--	--	--	--	254F	
07/29/75 0930	5U5N	41.88 756	6.4 74	75.2F 24.0C	7.4	541	--	--	--	--	--	--	--	--	--	--	--	--	184F	
08/26/75 0835	5U5N	44.30 1200	6.1 68	71.6F 22.0C	7.6	525	--	--	--	--	--	--	--	--	--	--	--	--	204F	
09/24/75 0750	5U5N 5U5N	40.18 542	7.1 78	68.9F 20.5C	7.8 8.2	538 630	--	--	62 2.70 42	--	0 0.00	2.45 4.02	--	34 4.96	--	1.2n	--	188	524 2.0	
THOMAS CREEK AT RICHFIELD																				
12/10/74 1400	5U5N 5U5N	40.4 604	10.7 91	46.4F 8.0C	8.0 8.2	415 420	56 2.74 64	14 1.15 26	9.5 41 9	0.9 0.02	0 0.00	168 2.75 04	60 1.25 29	8.6 0.24 6	1.7 0.03 1	1.1n	--	246 233	198 60	04 0.3
03/06/75 1320	5U5N	504	10.1 91	51.0F 10.0C	7.6	187	--	--	--	--	--	--	--	--	--	--	--	--	744F	
06/16/75 1335	5U5N	2004	7.7 94	82.4F 26.0C	7.8	195	--	--	--	--	--	--	--	--	--	--	--	--	54F	
ELDER CREEK AT GERHER																				
12/10/74 1430	5U5N 5U5N	10.5 254	9.1 91	46.2F 9.0C	8.1	499 498	39 1.95 39	25 2.06 42	21 41 18	0.9 0.02	0 0.00	210 3.44 09	22 0.46 9	38 1.07 21	2.0 0.03 1	0.00	--	260 251	209 29	04 0.6
03/06/75 1345	5U5N	6.04 804	10.2 95	53.0F 12.0C	8.0	243	--	--	--	--	--	--	--	--	--	--	--	--	64F	
06/16/75 1315	5U5N 5U5N	9.1 404	9.1 120	86.0F 30.0C	8.3 8.4	331 320	--	--	11 4.8 14	--	3.0 0.10	1.07 2.74	--	17 4.8	--	0.00	--	149	04 0.4	
RED BANK CREEK NEAR RED BLUFF																				
01/16/75 1515	5U5N	4.00 2.8	13.0 119	51.8F 11.0C	8.4	541	--	--	--	--	--	--	--	--	--	--	--	--	14F	
05/20/75 0820	5U5N	4.04 4.5	9.7 97	59.0F 15.0C	7.8	510	--	--	--	--	--	--	--	--	--	--	--	--	14F	
COTTONWOOD CREEK AT COTTONWOOD																				
10/11/74 1115	5U5N 5U5N	12.4 83	13.7 137	65.3F 16.5C	7.4 7.9	225 225	--	--	7.3 32 14	--	0 0.00	1.18 1.93	--	4.6 1.13	--	0.00	--	97	14 0.3	
11/14/74 1000	5U5N	12.2 99	12.2 116	54.5F 12.5C	7.5	286	--	--	--	--	--	--	--	--	--	--	--	--	14F	
12/05/74 0830	5U5N	11.8 575	10.1 101	46.4F 8.0C	7.6	337	--	--	--	--	--	--	--	--	--	--	--	--	194F	
01/15/75 1000	5U5N	12.4 372	10.0 100	41.0F 5.0C	7.7	273	--	--	--	--	--	--	--	--	--	--	--	--	24F	
02/04/75 1320	5U5N 5U5N	11.9 1640	9.9 99	44.0F 7.0C	7.3 7.3	170 174	12 0.80 35	6.6 0.54 32	9.0 0.39 23	6.8 0.17 10	0 0.00	61 1.00 60	15 0.31 19	8.9 0.25 15	6.0 0.10 6	0.20	--	124 94	57 7	194 0.5
03/05/75 0930	5U5N	10.2 1570	6.7 89	48.2F 9.0C	7.6	209	--	--	--	--	--	--	--	--	--	--	--	--	204F	

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLE LAB	G.M. W DEPTH	OD SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER				TURB SAF	
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS SUM		TH NCH
A0 3520.50 COTTONWOOD CREEK AT COTTONWOOD CONTINUED																			
04/21/75 0915	5:50 5:50	1200	10.5 101	55.4F 13.0C	7.9 8.1	225	--	--	7.6 .33 14	--	0 .00	116 1.98	--	4.2 .12	--	.00	--	100	2A 0.3
05/19/75 0905	5:50 5:50	1200	9.2 96	62.6F 17.0C	7.8 7.8	171	--	--	--	--	--	--	--	--	--	--	--	17AF	
06/17/75 0830	5:50 5:50	475	8.2 92	69.8F 21.0C	7.8 7.8	196	--	--	--	--	--	--	--	--	--	--	--	2AF	
07/22/75 0850	5:50 5:50	103	9.2 112	77.0F 25.0C	7.5 7.5	234	--	--	--	--	--	--	--	--	--	--	--	2AF	
08/20/75 0830	5:50 5:50	127	7.1 79	68.9F 20.5C	7.2 7.2	228	--	--	--	--	--	--	--	--	--	--	--	2AF	
09/11/75 0900	5:50 5:50	88	8.3 94	69.8F 21.0C	7.1 7.1	215	--	--	--	--	--	--	--	--	--	--	--	1AF	
A0 3545.00 COTTONWOOD CREEK NORTH FORK NEAR 100																			
11/14/74 1310	5:50 5:50	29.84 23	12.3 114	51.4F 11.0C	7.7 8.1	160 104	--	--	9.8 .43 25	--	0 .00	47 1.43	--	8.9 .25	--	.00	--	63	0A 0.5
01/15/75 1230	5:50 5:50	29.14 93	13.7 106	39.2F 4.0C	7.7 7.9	143 142	--	--	7.1 .31 22	--	0 .00	62 1.02	--	4.6 .13	--	.10	--	55	0A 0.4
03/05/75 1045	5:50 5:50	30.84 312	10.7 92	46.4F 8.0C	7.6 7.7	103 101	--	--	4.4 .19 19	--	0 .00	49 .80	--	2.8 .08	--	.00	--	41	5A 0.3
05/19/75 1015	5:50 5:50	31.58 248	9.8 101	61.8F 16.0C	7.7 8.0	99 97	--	--	3.6 .16 17	--	0 .00	51 .84	--	.8 .02	--	.00	--	39	1A 0.3
07/22/75 0955	5:50 5:50	30.47 29	9.11 109	76.1F 24.5C	8.1 7.9	142 140	--	--	6.4 .28 21	--	0 .00	69 1.13	--	7.5 .21	--	.00	--	54	0A 0.4
09/11/75 1010	5:50 5:50	29.80 5.8	9.6 113	73.4F 23.0C	8.1 8.0	225 226	--	--	16 .70 31	--	0 .00	91 1.49	--	20 .56	--	.00	--	78	0A 0.8
A0 3581.00 COTTONWOOD CREEK MIDDLE FORK NEAR GAS POINT																			
11/14/74 1230	5:50 5:50	12.7 24	12.3 121	56.3F 13.5C	4.2 4.3	343 372	--	--	13 .57 15	--	0 .00	184 3.02	--	16 .45	--	.00	--	165	0A 0.4
01/15/75 1135	5:50 5:50	13.3 103	13.3 103	39.2F 4.0C	8.2 8.3	300 298	--	--	9.2 .40 12	--	0 .00	159 2.61	--	8.0 .23	--	.10	--	143	0A 0.3
03/05/75 1010	5:50 5:50	10.6 449	10.6 91	46.4F 8.0C	7.8 7.9	219 216	--	--	4.8 .21 9	--	0 .00	127 2.68	--	2.8 .08	--	.00	--	110	15A 0.2
05/19/75 0945	5:50 5:50	31.58 345	9.8 101	60.8F 16.0C	8.0 8.3	186 184	--	--	3.6 .16 8	--	0 .00	106 1.74	--	1.5 .04	--	.00	--	88	1A 0.2
07/22/75 0925	5:50 5:50	42	8.5 107	79.7F 26.5C	8.1 8.1	274	--	--	--	--	--	--	--	--	--	--	--	1AF	
09/11/75 0940	5:50 5:50	18	8.4 104	72.5F 22.5C	8.0 8.4	323 318	--	--	12 .52 15	--	2.0 .00	169 2.77	--	14 .39	--	.00	--	150	0A 0.4
A0 3595.00 COTTONWOOD CREEK SOUTH FORK NEAR COTTONWOOD																			
11/14/74 1030	5:50	1.56 19	12.7 117	51.8F 11.0C	8.1 8.1	433	--	--	--	--	--	--	--	--	--	--	--	1AF	
01/15/75 1030	5:50	1.94 119	13.3 103	41.0F 5.0C	8.4 8.4	294	--	--	--	--	--	--	--	--	--	--	--	3AF	
03/05/75 0850	5:50 5:50	2.95 442	10.5 40	46.4F 8.0C	7.6 7.8	195 193	--	--	7.2 .31 15	--	0 .00	96 1.57	--	6.6 .19	--	.10	--	86	50A 0.3
05/19/75 0825	5:50 5:50	3.35 582	10.4 98	57.2F 14.0C	7.8 8.0	147 146	--	--	4.6 .20 14	--	0 .00	74 1.21	--	2.8 .08	--	.10	--	62	32A 0.3
07/22/75 0820	5:50	1.49 40	8.5 102	75.2F 24.0C	7.9 7.9	277	--	--	--	--	--	--	--	--	--	--	--	1AF	
09/11/75 0825	5:50	1.05 3.5	8.6 97	69.8F 21.0C	7.9 7.9	307	--	--	--	--	--	--	--	--	--	--	--	1AF	

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER L+R	G.P. DEPTH	00 SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN										MILLIGRAMS PER LITER										MILLIGRAMS PER LITER																				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	PERCENT REACTANCE VALUE											0	F	TDS SUM	TH MCH	1000 5+8																

AO 4321.01 OCEAN CREEK AT HIGHWAY 99E																																														
10/11/74	5:50			11.7	64.4F	0.2	157	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF															
1130		131		124	18.0C																																									
11/15/74	5:50			12.2	53.6F	7.7	154	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF															
1805		135		114	12.0C																																									
12/10/74	5:50			11.6	44.6F	7.6	153	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF															
1325		140		96	7.0C																																									
01/08/75	5:50			11.1	48.2F	7.6	116	--	--	7.3	--	0	62	--	3.4	--	.16	--	--	--	--	--	--	--	--	42	1A																			
1400	5:50	472		96	9.0C	7.9	114			.32		.00	1.62		.10																0.5															
										28																																				
02/11/75	5:50			11.3	50.0F	7.3	85	--	--	6.0	--	0	51	--	.5	--	.20	--	--	--	--	--	--	--	--	35	1A																			
1330	5:50	650		100	10.0C	7.6	91			.26		.00	.84		.01																0.4															
										27																																				
03/20/75	5:50			10.4	50.0F	7.7	72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3AF															
1315	5:50	1450		96	10.0C																																									
04/22/75	5:50			10.3	57.2F	7.8		--	--	5.0	--	0	52	--	1.9	--	.00	--	--	--	--	--	--	--	--	35	0A																			
1245	5:50	512		100	14.0C	7.7	90			.22		.00	.85		.05																0.4															
										24																																				
05/02/75	5:50			10.3	57.2F	7.7	76	--	--	3.8	--	0	43	--	.6	--	.00	--	--	--	--	--	--	--	--	32	0A																			
1200	5:50	715		100	14.0C	7.7	76			.17		.00	.70		.02																0.3															
										21																																				
06/16/75	5:50			9.5	77.0F	8.2	94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF															
1240	5:50	333		115	25.0C																																									
07/02/75	5:50			9.5	76.1F	8.2	120	--	--	7.7	--	0	67	--	3.8	--	.10	--	--	--	--	--	--	--	--	44	0A																			
1300	5:50	202		114	24.5C	7.8	115			.33		.00	1.10		.11																0.5															
										27																																				
08/19/75	5:50			11.3	75.2F	8.2	105	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF															
1300	5:50	100		134	24.0C																																									
09/19/75	5:50			13.5	80.6F	8.1	207	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF															
1320	5:50	142		169	27.0C																																									
AO 4420.50 MILL CREEK NEAR MOUTH NEAR LOS MOLINOS																																														
11/15/74	5:50			12.2		8.1	201	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF															
1625	5:50	140																																												
01/08/75	5:50			11.4	46.4F	7.4	138	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11AF															
1430	5:50	449		97	8.0C																																									
03/20/75	5:50			11.2	46.4F	7.4	86	6.6	3.0	5.8	.7	0	38	3.6	3.4	.1	.10	--	67	29	5A																									
1345	5:50	950		96	8.0C	7.8	87	.33	.25	.25	.02	.00	.62	.07	.10	.00			42	8	0.5																									
								39	29	29	2			9	13																															
05/02/75	5:50			10.2	57.2F	7.6		--	--	7.6	--	0	41	--	7.9	--	.20	--	33	14	0.6																									
1210	5:50	445		100	14.0C	7.7	112			.33		.00	.67		.22																															
										33																																				
07/02/75	5:50			9.4	66.2F	7.8	119	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2AF															
1330	5:50	313		104	19.0C																																									
09/19/75	5:50			11.3	75.2F	8.2	192	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF															
1340	5:50	127		135	24.0C																																									
AO 5163.00 FEATHER RIVER AT NICOLAUS																																														
10/16/74	5:50			25.74	94.6	60	F 7.3	77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8A															
0840	5:50	8410			46	10	C	80																																						
11/20/74	5:50			25.16	10.9	53	F 7.2	80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6A															
1015	5:50	9140		100	12	C		83																																						
12/18/74	5:50			23.87	11.5	47	F 7.2	74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2A															
1000	5:50	6550		98	8	C		81																																						
01/15/75	5:50			23.20	11.9	46	F 7.2	81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4A															
1000	5:50	5400		100	8	C		87																																						
02/19/75	5:50			31.58	10.2	48	F 7.1	96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11A															
0950	5:50	5650		88	4	C		99																																						
03/19/75	5:50			28.14	10.7	52	F 7.2	93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	64	12A																		
0800	5:50	5800		97	11	C		94							.45		.01																													
04/16/75	5:50			23.83	10.9	52	F 7.3	85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9A															
0900	5:50	5930.4		99	11	C		89																																						
05/21/75	5:50			26.33	9.4	54	F 7.3	80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5A															
0915	5:50	7550.4		93	15	C		83																																						

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.W. DEPTH	OD SAT	WP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TURB SAR		
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2		TDS SUM	TH NCH

A0 S103.00 FEATHER RIVER AT NICOLAUS						CONTINUED														
06/18/75 0900	S/50 S/50	24.57 812.0	9.2 16.3C	65.0F 16.3C	7.2 63	63 63	--	--	--	--	--	--	--	--	--	--	--	47	15A	
07/16/75 0900	S/50 S/50	24.09 7310	9.4 1.03	68 20	F C	7.3 72	67 72	--	--	--	--	--	--	--	--	--	--	--	4A	
08/20/75 0815	S/50 S/50	24.04 6893	8.6 95	69 21	F C	7.4 71	60	--	--	--	--	--	--	--	--	--	--	--	2A	
09/17/75 0900	S/50 S/50	24.17 7130	8.8 94	66 19	F C	7.3 74	74 78	--	--	--	--	--	--	--	--	--	--	58	3A	
A0 S660.00 JACK SLOUGH AT MARYSVILLE																				
09/18/75 1030	S/50 S/50	7.7 84	6.8 20	68 C	7.2 108	108 117	--	--	--	--	--	--	--	--	--	--	--	68		
A0 S910.00 SUTTER BP STATE PP NO 1 NR NICOLAUS																				
02/27/75 1045	S/50 S/50	5.4 14.5C	7.3 8.2	70 1180	63 3.44	82 5.18	1.9 3.57	0 .05	0 0	346 6.339	38 .79	174 4.91	8.2 .13	1.0 1	--	--	--	436 429	436 114	28A 1.7
06/25/75 1000	S/50 S/50	7.7 21.0C	6.0F 8.0	7.4 453	458 1.75	18 1.48	31 1.35	.6 .02	0 0	186 3.45	18 .37	42 1.18	2.1 .03	1.0 1	--	--	--	258 238	162 9	22A 1.1
07/30/75 0945	S/50 S/50	6.2 72	73.4F 23.0C	7.0 7.6	218 220	--	--	12 .52	--	0 1.08	1.08 1.77	--	8.9 .25	--	--	--	--	86	9A 0.6	
08/27/75 0900	S/50 S/50	6.7 72	66.2F 19.0C	7.2 8.1	466 427	--	--	28 1.22	--	0 2.8	2.8 3.41	--	31 .87	--	--	--	--	161	10A 1.0	
09/24/75 1215	S/50 S/50	6.4 74	73.4F 23.0C	7.8 8.2	574	--	--	37 1.61	--	0 2.43	2.43 3.98	--	55 1.55	--	--	--	--	208	21A 1.1	
A0 S920.00 SUTTER HP STATE PP NO 2 NR TISDALE																				
02/27/75 1110	S/50 S/50	7.1 69	59.0F 15.0C	7.8 8.3	584	45 2.25	38 3.13	33 1.44	1.8 .05	0 0	376 6.016	14 .29	9.2 26.0	2.4 .04	1.0 1	--	--	154 328	268 0	21A 0.9
06/25/75 1030	S/50 S/50	5.5 6.0	66.0F 20.0C	7.4 8.0	345 364	28 1.40	21 1.73	17 .74	.7 .02	0 0	217 3.56	12 .25	2.7 .08	2.2 .04	1.0 1	--	--	218 190	156 0	13A 0.6
07/30/75 1010	S/50 S/50	5.6 64	71.6F 22.0C	7.3 8.1	389 390	--	--	18 .78	--	0 3.98	3.98	--	3.5 .10	--	--	--	--	174	6A 0.6	
08/27/75 1040	S/50 S/50	6.0 64	66.2F 19.0C	7.2 8.2	397 363	--	--	19 .83	--	0 3.74	3.74	--	3.0 .08	--	--	--	--	161	9A 0.7	
09/24/75 1145	S/50 S/50	7.1 81	71.6F 22.0C	7.8 8.3	499	--	--	27 1.17	--	0 5.21	318 5.21	--	6.4 .18	--	--	--	--	224	11A 0.8	
A0 S925.00 SUTTER HP STATE PP NO 3 NR YUBA CITY																				
02/27/75 1245	S/50 S/50	5.7 59	62.6F 15.0C	7.6 8.3	707	43 2.15	43 3.54	53 2.31	1.9 .05	0 0	397 6.34	36 .75	32 .90	2.0 .03	1.0 1	--	--	436 401	283 0	10A 1.4
06/25/75 1120	S/50 S/50	6.6 76	72.5F 22.5C	7.4 8.2	548 554	37 1.85	31 2.55	41 1.78	.7 .02	0 0	319 5.23	27 .56	11 .31	2.6 .04	1.0 1	--	--	343 307	223 0	19A 1.2
07/30/75 1110	S/50 S/50	5.1 60	75.2F 24.0C	7.5 8.2	481 481	--	--	30 1.31	--	0 4.04	4.04	--	1.0 .03	--	--	--	--	197	9A 0.9	
08/27/75 1110	S/50 S/50	6.0 64	69.0F 21.0C	7.6 8.4	742 674	--	--	52 2.26	--	0 2.7	4.05 4.64	--	17 .48	--	--	--	--	280	10A 1.4	
09/24/75 1020	S/50 S/50	5.5 62	71.6F 22.0C	7.6 8.5	800	--	--	59 2.57	--	0 3.30	3.81 4.24	--	54 1.66	--	--	--	--	314	13A 1.4	
A0 S927.00 WADSWORTH CANAL NR SUTTER																				
09/24/75 0955	S/50 S/50	38.09 76	69.0F 21.0C	7.4 8.0	248	20 1.00	14 1.15	12 1.42	1.4 .05	0 0	143 2.34	64 .75	9.6 27.0	1.5 10.2	1.0 1	--	--	147 136	109 0	7A 0.5
A0 S120.00 YUBA RIVER AT MARYSVILLE																				
10/08/74 0930	S/50 S/50	8.1 87	66 19	F C	7.2 7.6	99 100	10 5.5	4.6 3.38	3.0 1.13	0 0	50 8.2	--	1 .00	--	--	--	--	52	44 3	1A 0.2
12/05/74 1800	S/50 S/50	12.7 107	46.5F 6.0C	7.2 7.5	64 68	74 37	3.5 2.9	2.6 1.1	--	0 0	36 .59	--	0 .00	--	--	--	--	55	33 4	0A 0.2
03/06/75 0850	S/50 S/50	11.4 40	48 9	F C	7.2 7.4	78 74	8.8 54	3.2 32	2.6 14	--	0 0	49 .02	--	0 .02	--	--	--	70	35 1	0A 0.6

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER L-H	G.P. Q DEPTH	DO S&T	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE	MILLIGRAMS PER LITER R F 5102	105 SUM	TH NOM	TURB SAR
						CA MG NA K CO3 HCO3 SO4 CL NO3					
40 6120.00 YUBA RIVER AT MARYSVILLE CONTINUED											
06/02/75	5:50		9.7	61	F 7.2	60	-- -- 2.2	-- -- -- --	-- -- -- --	-- -- -- --	54
1045	5:50		9.8	16	C 7.4	64	-- -- .10	-- -- -- --	-- -- -- --	-- -- -- --	
09/18/75	5:50		9.1	62	F 7.2	67	8.2 2.1 1.9	-- 0 38	-- 1.0	-- -- --	45 29 0A
1045	5:50		9.5	17	C 7.4	69	4.1 .17 .08	-- .62	-- .03	-- -- --	0 0.2
						62 26 12					
40 6550.00 BEAR RIVER NEAR WHEATLAND											
10/08/74	5:50		4.18	8.0	F 7.3	120	6.8 4.4	-- 0 54	-- 3.8	-- -- --	65 53 0A
0845	5:50		12	87	C 7.7	126	.50 .56 .19	-- .89	-- .11	-- -- --	9 0.3
						40 45 15					
12/05/74	5:50		4.29	12.1	56 F 7.8	96	8.4 4.9 4.3	-- 0 43	-- 3.1	-- -- --	67 41 0A
1330	5:50		18	116	C 7.4	100	.42 .40 .19	-- .70	-- .09	-- -- --	6 0.3
						42 40 19					
01/08/75	5:50		6.65	11.1	51 F 7.2	71	6.9 4.6 3.4	-- 0 30	-- 3.2	-- -- --	54 36 50A
1430	5:50		9.9	11	C 7.6	73	.34 .38 .15	-- .49	-- .09	-- -- --	12 0.2
						39 44 17					
02/06/75	5:50		6.83	11.5	46 F 7.2	72	7.0 3.0 3.2	-- 0 33	-- 3.2	-- -- --	66 30 4A
0945	5:50		9.6	9.9	C 7.4	75	.35 .25 .14	-- .54	-- .09	-- -- --	3 0.3
						47 34 19					
03/06/75	5:50		5.42	10.3	53 F 7.3	90	-- -- --	-- -- --	-- -- --	-- -- --	
0800			168	95	12 C						
04/02/75	5:50		6.96	11.2	51.5F 7.3	92	7.5 3.7 3.5	-- 0 37	-- 2.7	-- -- --	38 34 11A
1030	5:50		9.2	101	11.8C 7.4	84	.37 .30 .15	-- .61	-- .08	-- -- --	3 0.3
						45 37 18					
05/05/75	5:50		6.22	10.3	63 F 7.4	84	5.6 5.6 3.5	-- 0 38	-- 3.4	-- -- --	59 37 1A
1200	5:50		51.0	107	17 C 7.5	85	.28 .46 .15	-- .62	-- .10	-- -- --	6 0.3
						31 52 17					
06/02/75	5:50		5.01	4.6	74 F 7.4	85	-- -- 3.8	-- 0 37	-- -- --	-- -- --	64 36 0.3
1200	5:50		84	100	23 C 7.5	89	-- -- .17	-- .61	-- -- --	-- -- --	
						19					
08/01/75	5:50		4.48	9.9	82.0F 7.6	127	-- -- 5.0	-- 0 64	-- -- --	-- -- --	88 69 0.3
1130	5:50		41	126	27.8C 7.7	143	-- -- .22	-- .00	-- 1.05	-- -- --	
						14					
09/18/75	5:50		4.49	7.7	72 F 7.3	103	9.9 5.2 4.2	-- 0 45	-- 4.2	-- -- --	62 46 0A
0845	5:50		17	84	22 C 7.4	112	.49 .43 .18	-- .74	-- .12	-- -- --	9 0.3
						45 39 16					
40 7140.10 AMERICAN RIVER AT SACRAMENTO WATER PLANT											
10/09/74	5:50		9.2	63	F 7.7	46	-- -- --	-- -- --	-- -- --	-- -- --	
1340			35.48	95	17 C						
11/14/74	5:50		9.6	61	F 7.1	51	-- -- --	-- -- --	-- -- --	-- -- --	
1420			1923	97	16 C						
12/05/74	5:50		9.7	54.5F	7.0	50	-- -- --	-- -- --	-- -- --	-- -- --	
0950			2480	91	14.5C						
01/21/75	5:50		11.6	49	F 7.1	58	-- -- --	-- -- --	-- -- --	-- -- --	
1430			1614	101	9 C						
02/04/75	2:13		11.7	48	F 7.0	57	-- -- --	-- -- --	-- -- --	-- -- --	14A
1020	5:50		1826	92	9 C 7.4	61					
02/18/75	2:13		11.3	47	F 7.1	51	-- -- --	-- -- --	-- -- --	-- -- --	3A
1030	5:50		96	8	C 7.5	53					
03/04/75	2:13		11.1	49	F 7.1	60	-- -- --	-- -- --	-- -- --	-- -- --	5A
0900	5:50		4306	94	9 C 7.5	61					
03/19/75	5:50		10.9	45	F 7.1	62	-- -- --	-- -- --	-- .3	-- -- --	4A
0830	5:50		6068	95	9 C 7.7	66			-- .00	-- -- --	
04/08/75	2:13		10.9	48.5F	7.2	62	-- -- --	-- -- --	-- .7	-- -- --	8A
0845	5:50		8403	94	4.2C 7.6	66			-- .01	-- -- --	
04/22/75	2:13		10.8	51.5F	7.1	66	6.8 2.2 2.6	0 29	3.4 1.4 1.4	-- -- --	45 26 4A
0815	5:50		4594	97	10.8C 7.4	68	.34 .18 .11	.02 .00	.48 .07 .04	.01 11.0	43 2 0.2
						52 28 17	3		80 12 7	2	
05/06/75	2:13		10.3	54.0F	7.2	69	-- -- --	-- -- --	-- -- --	-- -- --	3A
0910	5:50		4718	96	12.2C 7.5	68					
05/20/75	2:13		10.4	54.0F	7.2	59	-- -- --	-- -- --	-- -- --	-- -- --	3A
0850	5:50		4590	97	12.2C 7.5	62					
06/10/75	2:13		10.1	61.0F	7.1	52	-- -- --	-- -- --	-- -- --	-- -- --	2A
0914	5:50		4619	102	16.1C 7.3	50					

MINERAL ANALYSES OF SURFACE WATER

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TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. D DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN										MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
						PERCENT REACTANCE VALUE										PERCENT REACTANCE VALUE					PERCENT REACTANCE VALUE				
						CA	MG	NA	K	CU	MO	SO	CL	NO	CO	R	F	TO	TH	TURB	SAR				

A1 1020.00 PIT RIVER NEAR MONTGOMERY CREEK CONTINUED																									
07/16/75 1630	S-50	4230	7.9 88	66.2F 19.0C	8.0 135	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	135AF
09/17/75 1015	S-50	7750	9.3 97	60.8F 16.0C	7.8 139	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	139AF
A1 1690.00 PIT RIVER NEAR CANBY																									
10/06/74 1530	S-50	2,53 53	10.0 115	59.0F 15.0C	8.2 293	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	32AF
11/07/74 0810	S-50	2,72 103	11.1 100	41.0F 5.0C	7.9 303	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	114AF
12/10/74 0745	S-50	2,69 95	11.4 95	35.6F 2.0C	8.1 236	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11AF
01/14/75 0830	S-50	2,74 108	11.0 87	32.0F 0.0C	7.4 308	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10AF
02/18/75 1630	S-50	279	11.0 90	34.7F 1.5C	7.6 268	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	35AF
03/19/75 1320	S-50 S-50	3,52 405	10.1 96	44.6F 7.0C	7.7 182 7.8 192	--	--	15 +05 33	--	0 +00 1.59	97 1.59	--	5.7 +16	--	1.00 --	--	--	--	--	--	67	50A 0.8	--	--	
04/15/75 1700	S-50	3,69 1190	9.8 96	46.4F 8.0C	7.6 148	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	70AF
05/06/75 1400	S-50 S-50	4,31 636	10.3 103	48.2F 9.0C	7.6 145	--	--	9.5 +41 28	--	0 +00 1.26	77 1.26	--	2.4 +07	--	1.10 --	--	--	--	--	--	53	26A 0.0	--	--	
06/03/75 1630	S-50	4,20 770	7.0 92	70.7F 21.5C	7.6 141	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22AF
07/16/75 0825	S-50	2,61 75	7.2 91	68.0F 20.0C	8.2 215	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3AF
08/07/75 0650	S-50	2,55 62	6.3 74	60.8F 16.0C	7.9 252	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15AF
09/17/75 0710	S-50	2,77 117	7.3 84	59.0F 15.0C	8.0 243	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10AF
A1 4400.00 PIT RIVER, SOUTH FORK, NEAR LIKELY																									
10/09/74 0730	S-50	1,48 25	9.8 97	46.4F 8.0C	7.9 104	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3AF
06/04/75 0800	S-50	4,54 624	8.9 99	55.4F 13.0C	7.6 77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A2 1010.00 SACRAMENTO RIVER AT KESWICK																									
10/11/74 1010	S-50	10.7 98	51.6F 11.0C	7.3 96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6AF
11/14/74 1450	S-50	9.9 93	53.6F 12.0C	7.0 115	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4AF
12/05/74 0920	S-50	10.1 93	51.6F 11.0C	7.0 120	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6AF
01/15/75 1330	S-50	11.3 99	48.2F 9.0C	7.2 124	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5AF
02/06/75 1145	S-50	12.2 104	46.4F 8.0C	7.2 114	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3AF
03/05/75 1130	S-50	10.7 93	47.3F 8.5C	7.2 113	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4AF
04/21/75 1100	S-50 S-50	11.0 10000	50.9F 10.5C	7.1 7.6	100	--	--	5.0 +22 22	--	0 +00 1.82	50 1.82	--	1.4 +04	--	1.00 --	--	--	--	--	--	36	4A 0.4	--	--	
05/19/75 1200	S-50	15000	10.3 95	51.8F 11.0C	7.4 106	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5AF
06/17/75 0925	S-50	14000	10.2 94	51.8F 11.0C	7.4 102	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3AF
07/22/75 1045	S-50	12600	10.2 96	53.6F 12.0C	7.2 108	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3AF

MINERAL ANALYSES OF SURFACE WATER

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TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

[illegible]

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LWB	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3		R	F	TDS SUM	TH NCH	TUMB SAR

A3 3110.00 ELDER CREEK NEAR PASPENTA																				
03/06/75	5:50		10.9	40.2F	7.9	214	--	--	--	0	42	--	12	--	--	--	--	88	80A	
1020	5:50	1060	96	9.0C	7.9	212	--	--	--	.43	.00	1.91	.34	--	--	--	--	0.5		
04/22/75	5:50	2.28	10.6	50.9F	8.0	238	--	--	--	7.2	--	0	134	--	6.2	--	.00	--	113	0A
0925	5:50	160	97	10.5C	8.2	239	--	--	--	.31	.00	2.20	.17	--	--	--	--	0.3		
09/19/75	5:50	1.14	8.9	64.0F	8.1	707	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
0950		3.8	102	21.0C			--	--	--	--	--	--	--	--	--	--	--	--		
A3 6130.00 CLEAR CREEK NEAR IGO																				
04/21/75	5:50	2.67	10.5	51.0F	7.6	72	--	--	--	--	--	--	--	--	--	--	--	--	3AF	
1010		90	97	11.0C			--	--	--	--	--	--	--	--	--	--	--	--		
09/11/75	5:50	2.35	9.9	62.6F	7.5	82	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
1025		45	104	17.0C			--	--	--	--	--	--	--	--	--	--	--	--		
A4 1110.00 BUTTE CREEK NEAR CHICO																				
11/15/74	5:50	1.11	13.2	49.1F	7.3	114	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
1425		142	116	9.5C			--	--	--	--	--	--	--	--	--	--	--	--		
01/08/75	5:50	2.47	11.4	44.6F	7.3	87	--	--	--	--	--	--	--	--	--	--	--	--	16AF	
1120		769	95	7.0C			--	--	--	--	--	--	--	--	--	--	--	--		
03/20/75	5:50	3.76	11.2	40.2F	7.4	64	--	--	--	--	--	--	--	--	--	--	--	--	5AF	
1205		1900	98	9.0C			--	--	--	--	--	--	--	--	--	--	--	--		
05/02/75	5:50	2.47	10.9	51.0F	7.8		--	--	--	2.5	--	0	37	--	.43	--	.00	--	28	0A
1030	5:50	752	101	11.0C	7.5	65	--	--	--	.11	.00	.61	.01	--	--	--	--	0.2		
07/02/75	5:50	1.57	10.3	57.2F	7.6	81	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
0930		290	101	14.0C			--	--	--	--	--	--	--	--	--	--	--	--		
09/22/75	5:50	1.42	10.1	64.4F	8.0	108	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
1130		145	106	16.0C			--	--	--	--	--	--	--	--	--	--	--	--		
A4 2110.00 BIG CHICO CREEK NEAR CHICO																				
11/15/74	5:50	1.65	9.4	51.0F	6.4	218	--	--	--	--	--	--	--	--	--	--	--	--	0AF	
1300		32	86	11.0C			--	--	--	--	--	--	--	--	--	--	--	--		
01/13/75	5:50	2.42	12.2	42.8F	7.6	158	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
0830		64	99	6.0C			--	--	--	--	--	--	--	--	--	--	--	--		
03/20/75	5:50	5.56	11.2	49.1F	7.4	64	--	--	--	2.2	--	0	35	--	1.4	--	.00	--	29	1AA
1115	5:50	1450	99	9.5C	7.5	63	--	--	--	.10	.00	.57	.04	--	--	--	--	0.2		
05/02/75	5:50	2.77	10.7	54.5F	7.8		--	--	--	4.2	--	0	52	--	2.6	--	.00	--	37	0A
0945	5:50	205	101	12.5C	7.8	95	--	--	--	.18	.00	.05	.07	--	--	--	--	0.3		
07/02/75	5:50		9.3	66.2F	8.2	178	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
1030		47	101	15.0C			--	--	--	--	--	--	--	--	--	--	--	--		
09/22/75	5:50	1.45	9.5	70.7F	8.2	208	--	--	--	--	--	--	--	--	--	--	--	--	0AF	
1045		24	108	21.5C			--	--	--	--	--	--	--	--	--	--	--	--		
A4 5110.50 ANTELOPE CREEK NEAR RED BLUFF																				
10/11/74	5:50		10.4	64.4F	8.1	144	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
1215		54	111	16.0C			--	--	--	--	--	--	--	--	--	--	--	--		
02/11/75	5:50	12.1	48.2F	7.3	80	6.0	4.4	5.4	.8	0	46	2.0	1.5	.41	.24	--	.77	33	AA	
1400	5:50	336	106	9.0C	7.6	74	.30	.36	.23	.02	.75	.04	.04	.00	--	--	4.3	0	0.4	
							.33	.40	.25	.2	.90	.5	.5							
A4 6050.01 PAINES CREEK NEAR RED BLUFF																				
10/09/74	5:50	9.8	64.4F	7.6	192	--	--	--	--	12	--	0	45	--	9.2	--	.20	--	68	1A
1400	5:50	30E	105	19.0C	6.0	202	--	--	--	.52	.00	1.56	.26	--	--	--	--	0.6		
03/20/75	5:50		10.2	51.9F	7.4	84	--	--	--	--	--	--	--	--	--	--	--	--	9AF	
1415		400E	93	11.5C			--	--	--	--	--	--	--	--	--	--	--	--		
07/02/75	5:50	9.5	68.0F	7.4	171	--	--	--	--	11	--	0	87	--	8.0	--	.20	--	63	7A
1400	5:50	50E	106	20.0C	7.6	185	--	--	--	.48	.00	1.43	.23	--	--	--	--	0.6		
							--	--	--	.28										
A4 7110.00 BATTLE CREEK NEAR COTTONWOOD																				
10/11/74	5:50	1.78	12.2	54.5F	7.4	143	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
1140		390	116	12.5C			--	--	--	--	--	--	--	--	--	--	--	--		
02/06/75	5:50	2.31	12.2	45.5F	7.3	101	--	--	--	7.0	--	0	62	--	1.1	--	.20	--	42	AA
1245	5:50	675	107	7.5C	7.6	106	--	--	--	.30	.00	1.02	.03	--	--	--	--	0.5		
							--	--	--	.26										

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DD SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
						CA	MO	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS SUM	TH UCH	TURB SAR
A4 8110.00 COW CREEK NEAR MILLVILLE																			
05/19/75 1300	5USN 5USN		854	9.4 98	62.0F 17.0C	7.4 7.5	71 70	--	--	3.2 .14 20	--	0 .00	38 .62	--	.6 .02	--	.00 --	--	20 4A 0.3
09/18/75 1430	5USN		53	10.7 132	78.8F 26.0C	6.4	165	--	--	--	--	--	--	--	--	--	--	2AF	
A6 1265.00 SQUIRREL CREEK NEAR PENN VALLEY																			
10/08/74 1040	5USN		5.49 12	9.9 102	59 15	F C	7.3	99	--	--	--	--	--	--	--	--	--	108 67 3	2A 0.3
11/04/74 1215	5USN		5.86 5.6	10.6 97	49 9	F C	7.3	140	--	--	--	--	--	--	--	--	--		
12/05/74 1515	5USN 5USN		5.99 12	10.4 97	48 9	F C	7.2 7.7	138 155	13 .65	8.4 .69 43	6.4 .28 17	-- 0 .00	78 1.28	--	3.9 .11	--	--	108 67 3	2A 0.3
01/08/75 1315	5USN		7.52 140	10.6 94	47 8	F C	7.1	70	--	--	--	--	--	--	--	--	--		
02/06/75 1100	5USN		6.66 44	11.6 95	45 7	F C	7.1	103	--	--	--	--	--	--	--	--	--		
03/06/75 0945	5USN 5USN		6.23 42	10.2 94	50 10	F C	7.2 7.7	137 144	13 .65	8.9 .73 45	5.6 .24 15	-- 0 .00	78 1.28 90	--	3.9 .11 8	1.6 .03 2	--	122 69 5	4A 0.3
04/02/75 0630	5USN		6.27 24	11.1 94	46 8	F C	7.3	121	--	--	--	--	--	--	--	--	--		
05/05/75 0910	5USN		6.17 19	10.5 96	49 9	F C	7.4	129	--	--	--	--	--	--	--	--	--		
06/02/75 0915	5USN		6.13 17	7.4 86	65 18	F C	7.2 7.8	108 123	--	4.8 .21 17	--	0 .00	64 1.05	--	2.3 .04	--	--	93 53	0.3
07/07/75 0915	5USN		6.01 13	6.4 92	64 18	F C	7.3	104	--	--	--	--	--	--	--	--	--		
08/01/75 0915	5USN		5.47 11	9.1 100	64 18	F C	7.2	92	--	--	--	--	--	--	--	--	--		
09/18/75 1130	5USN 5USN		6.00 12	8.5 94	65 18	F C	7.3 7.7	96 99	9.7 .48 50	3.8 .31 32	4.0 .17 18	-- 0 .00	49 .00	--	3.8 .11	--	--	70 40 0	0A 0.3
A8 L 902.7 254.7 1 CLEAR LAKE AT LAKEPORT																			
10/04/74 0845	5USN		8.0 91	66.0F 20.0C	8.2	206	--	--	--	--	--	--	--	--	--	--	--	1AF	
11/15/74 1240	5USN		7.4 75	57.2F 14.0C	7.6	255	--	--	--	--	--	--	--	--	--	--	--	19AF	
12/05/74 0940	5USN		9.1 84	56.0F 16.0C	7.6	252	--	--	--	--	--	--	--	--	--	--	--	29AF	
01/09/75 1000	5USN		10.7 93	45.5F 7.5C	7.6	225	--	--	--	--	--	--	--	--	--	--	--	22AF	
02/21/75 0900	5USN		10.6 93	46.4F 8.0C	7.8	228	--	--	--	--	--	--	--	--	--	--	--	19AF	
03/13/75 1130	5USN		9.1 84	56.0F 16.0C	7.6	218	--	--	--	--	--	--	--	--	--	--	--	22AF	
04/17/75 0730	5USN 5USN		10.1 92	56.0F 10.0C	8.0 8.1	205	--	--	6.8 .30 14	--	0 .00	110 1.00	--	3.5 .10	--	.80	--	89 194 0.3	
05/15/75 1045	5USN		9.7 104	62.0F 17.0C	8.2	211	--	--	--	--	--	--	--	--	--	--	--	5AF	
06/12/75 0815	5USN		7.9 44	73.4F 23.0C	8.2	230	--	--	--	--	--	--	--	--	--	--	--	10AF	
07/10/75 1000	5USN		10.2 124	74.3F 23.5C	8.2	228	--	--	--	--	--	--	--	--	--	--	--	5AF	
08/14/75 0900	5USN		6.4 80	77.0F 25.0C	8.0	241	--	--	--	--	--	--	--	--	--	--	--	10AF	
09/05/75 0900	5USN		2.2 26	71.6F 22.0C	7.3	246	--	--	--	--	--	--	--	--	--	--	--	31AF	

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3		B	F	TDS	TH	TURB					

AB 1140.00 CACHE CREEK NEAR CAPAY																									
10/22/74 1015	5:50	2.30 61	10.6 107	60 16	F 8.1 C	539	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/07/74 0920	5:50 5:50	1.93 18	9.2 90	58 14	F 7.9 C 8.3	677 721	44 2.20	34 4.34	50 2.18	-- 31	0 39	205 4.67	-- 1.97	70 1.80	--	--	--	--	251 18	14 1.4					
12/30/74 0940	5:50 5:50	2.32 75	11.0 90	44 7	F 8.1 C 8.4	997 1000	46 2.30	52 4.34	100 4.35	-- 21	6.0 39	362 4.95	-- 1.20	145 4.09	--	3.10	--	404 75	332 75	104 2.4					
01/14/75 1115	5:50	2.11 44	12.2 107	49 9	F 8.1 C	961	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/03/75 1030	5:50	3.95 594		43 6	F C	481	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/03/75 1000	5:50 5:50	2.95 191	9.8 92	54 12	F 8.2 C 8.3	704 713	36 1.80	38 3.20	52 2.26	-- 25	0 44	205 4.67	-- 2.00	71 1.90	--	1.90	--	430 17	250 17	74 1.4					
03/18/75 1100	5:50 5:50	8.82 5100	10.7 96	51 11	F 8.1 C 8.1	252 290	19 .95	16 1.39	16 .70	-- 31	0 46	144 2.36	-- 1.34	12 3.4	--	.80	--	140 0	117 0	510A 0.6					
04/01/75 1000	5:50	7.43 3400	10.4 95	52 11	F 8.0 C	285	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/14/75 0930	5:50	3.94 609	9.1 99	67 19	F C	354	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/12/75 1000	5:50 5:50	4.08 681	8.8 104	75.0F 23.9C	8.1 8.1	275 298	--	--	15 .65	-- 20	0 1.00	156 2.56	--	--	--	--	--	171	129	35A 0.6					
07/17/75 0900	5:50	3.63 463	8.2 97	75 24	F 8.2 C	282	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/07/75 0815	5:50	3.74 515	7.9 91	72 22	F C	250	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/11/75 1430	5:50 5:50	3.21 261	8.4 103	78 20	F 8.3 C 7.8	312 343	25 1.25	18 1.48	18 .78	1.8 .05	0 1.00	172 2.82	10 .21	16 .45	.9 .01	1.10	--	187 175	134 0	5A 0.7					
09/25/75 0830	5:50	2.84 87	7.8 21	69 21	F C	309	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AB 1250.00 HEAD CREEK NEAR HUMSEY																									
10/04/74 1140	5:50 5:50	1.15 240	10.2 117	64.8F 21.0C	8.3 8.6	3540 3570	--	--	570 24.80	-- 70	50 1.67	754 12.36	-- 21.01	745 1.80	--	12.0	--	540	14	10.7					
11/15/74 1530	5:50	1.19 240	11.1 106	53.8F 12.0C	8.4	4180	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/05/74 1220	5:50 5:50	1.65 19	11.1 98	46.2F 9.0C	8.3 8.5	2500 2470	--	--	340 14.79	-- 59	25 .83	580 9.51	-- 12.21	433 1.80	--	9.20	--	506	74	6.6					
01/09/75 1345	5:50	1.72 23	12.6 104	42.8F 6.0C	8.4	2820	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/21/75 1215	5:50	2.68 57	12.1 104	45.5F 7.5C	8.4	1056	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/13/75 1340	5:50	2.22 74	10.2 92	49.1F 9.5C	8.2	1190	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/17/75 1110	5:50 5:50	2.00 107	10.6 101	53.6F 12.0C	8.2 8.7	1300	--	--	134 5.83	-- 39	35 1.17	482 7.90	-- 18.84	156 4.00	--	5.30	--	448	1A 2.8						
05/15/75 1330	5:50	1.84 18	8.4 107	75.2F 24.0C	8.4	1880	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/12/75 1050	5:50	1.28 433	8.5 105	77.0F 25.0C	8.3	2550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/10/75 1300	5:50	1.17 243	9.2 120	82.4F 28.0C	8.4	2850	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/14/75 1245	5:50	0.42 144	9.8 128	82.4F 28.0C	8.4	3170	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/05/75 1140	5:50 5:50	1.09 143	10.2 124	75.2F 24.0C	8.3 8.7	3200 3220	--	--	582 21.84	-- 68	70 2.33	691 11.33	-- 18.84	608 1.80	--	19.0	--	508	0A 9.7						

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAD	G.P.M. D DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN	PERCENT REACTANCE VALUE	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER	MILLIGRAMS PER LITER	TO5	TH	TURB
						CA MG NA K CO3	MGCL NO3	5102	5102	SUM	NCH	SAR

AB 1350.00 CACHE CREEK NEAR LOWER LAKE												
10/04/74 0950	S.50	1.78 92	8.4 94	69.8F 21.0C	7.4 264	-- --	-- --	-- --	-- --	-- --	-- --	6AF
11/15/74 1400	S.50	0.58 10	8.1 81	56.3F 13.5C	7.6 284	-- --	-- --	-- --	-- --	-- --	-- --	2AF
12/05/74 1050	S.50	0.52 7.0	9.4 87	56.0F 10.0C	7.6 294	-- --	-- --	-- --	-- --	-- --	-- --	4AF
01/09/75 1115	S.50	0.34 2.8	12.2 107	42.8F 6.0C	8.1 294	-- --	-- --	-- --	-- --	-- --	-- --	5AF
02/21/75 1030	S.50 S.50	0.48 7.0	9.9 86	45.5F 7.5C	7.3 190 7.6 190	-- --	11 23	0 1.43	87 6.8	-- --	40 19	79 364 0.5
04/17/75 0910	S.50 S.50	3.67 513	10.0 97	53.6F 12.0C	8.3 8.1 273	-- --	6.8 30	0 1.00	140 2.29	-- --	7.5 2.21	112 134 0.3
05/15/75 1200	S.50	3.92 615	8.6 94	66.2F 19.0C	8.0 247	-- --	-- --	-- --	-- --	-- --	-- --	11AF
06/12/75 0920	S.50	3.88 543	7.4 94	78.8F 26.0C	8.0 251	-- --	-- --	-- --	-- --	-- --	-- --	10AF
07/10/75 1105	S.50	3.75 550	8.1 101	77.0F 25.0C	8.0 243	-- --	-- --	-- --	-- --	-- --	-- --	10AF
08/14/75 1015	S.50	3.74 550	7.4 94	76.8F 26.0C	8.1 258	-- --	-- --	-- --	-- --	-- --	-- --	5AF
09/05/75 1015	S.50	2.65 288	7.4 91	75.2F 24.0C	7.7 256	-- --	-- --	-- --	-- --	-- --	-- --	7AF
AB 2050.00 CACHE CREEK, NORTH FORK, NEAR LOWER LAKE												
10/04/74 1035	S.50	0.43 3.3	10.0 115	69.8F 21.0C	8.2 642	-- --	-- --	-- --	-- --	-- --	-- --	1AF
11/15/74 1445	S.50	0.58 4.1	13.0 134	66.8F 16.0C	8.4 603	-- --	-- --	-- --	-- --	-- --	-- --	1AF
12/05/74 1135	S.50	0.78 12	10.8 94	49.1F 9.5C	8.0 626 8.0 638	-- --	36 1.57	0 24	203 6.31	-- --	50 1.41	246 124 1.0
01/09/75 1300	S.50	0.48 29	12.9 111	44.8F 7.0C	8.1 418	-- --	-- --	-- --	-- --	-- --	-- --	10AF
02/21/75 1125	S.50	2.62 159	11.2 98	45.5F 7.5C	7.7 203	-- --	-- --	-- --	-- --	-- --	-- --	85AF
03/13/75 1254	S.50	1.71 120	10.3 92	48.2F 9.0C	7.8 243	-- --	-- --	-- --	-- --	-- --	-- --	55AF
04/17/75 1020	S.50 S.50	1.09 36	12.1 118	53.8F 12.0C	8.2 325	-- --	16 7.0	0 1.00	65 1.67	-- --	12 3.4	139 14 0.6
05/15/75 1245	S.50	0.73 13	10.2 121	72.5F 22.5C	8.2 360	-- --	-- --	-- --	-- --	-- --	-- --	1AF
06/12/75 1005	S.50 S.50	1.62 94	10.6 111	66.8F 16.0C	8.2 245 7.6 237	17 13 85 1.07	10 10 44 .02	0 0 119 .00	7.6 7.6 9.5 .16	.3 .3 27 .27	.80 .80	152 98 4AF 118 0 0.4
07/10/75 S.50	S.50	0.48 2.0	9.9 127	80.8F 27.0C	8.4 323 8.3 326	-- --	18 7.8	0 1.00	162 2.66	-- --	18 5.1	128 04 0.7
08/14/75 1115	S.50 S.50	1.42 1.6	9.7 124	79.7F 26.5C	8.2 352 8.2 354	-- --	22 9.6	0 1.00	170 2.79	-- --	22 5.62	136 14 0.8
09/05/75 1100	S.50 S.50	1.37 1.0	9.8 119	75.2F 24.0C	8.2 359 8.4 364	-- --	24 1.04	1.0 1.03	173 2.84	-- --	24 5.8	140 14 0.9
49 1250.00 PUTAH CREEK NEAR WINTERS												
10/22/74 1200	S.50	6.34 284	11.4 107	54 F 12 C	7.9 294	-- --	-- --	-- --	-- --	-- --	-- --	--
12/30/74 1050	S.50 S.50	5.23 55	10.9 98	51 F 11 C	8.0 304 8.4 336	16 27 80 2.28	12 12 52 14	2.0 2.0 1.07 2.72	166 166 6.4 1.9	-- --	20 19	194 154 24 15 0.4
03/03/75 1215	S.50 S.50	4.03 50	11.6 107	53 F 10 C	8.0 343 8.3 327	20 28 1.00 2.32	12 12 52 14	0 0 1.00 3.05	186 186 2.8 3.05	-- --	10 1.30	222 166 54 14 0.4

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.W. O DEPTH	OD SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN CA MG NA K	CO3	MG03	504	CL	NO3	MILLIGRAMS PER LITER PERCENT REACTANCE VALUE	8	F	TD5 SUM	TH NCH	TURB SAR

49 1250.00 PUTAH CREEK NEAR WINTERS CONTINUED																	
06/12/75	5:50	8.07	12.2	54.0	F 8.2	287	--	--	8.2	--	0	172	--	--	181	150	44
1330	5:50	733	114	12.2C	8.2	304	--	--	.36	--	.00	2.82	--	--	--	--	0.3
09/11/75	5:50	7.42	11.6	56	F 8.2	281	16	26	8.6	--	0	172	--	5.3	--	170	147
1315	5:50	540	111	13	C 8.0	310	.80	2.14	.37	--	.00	2.82	--	.15	--	6	0.3
49 1377.00 CAPELL CREEK AT HWY 121 NEAR MOSKOWITE CORNER																	
12/05/74	3:07	11.4	46	F 7.4	435	--	--	--	--	--	--	--	--	--	--	--	1A
1100	1:04	.5	99	8	C												
49 1305.00 CAPELL CREEK AT CIRCLE DAMS																	
12/04/74	3:07	10.7	48	F 7.5	525	--	--	--	--	--	--	--	--	--	--	--	1A
1230	1:04	.5	95	9	C												
01/09/75	3:07	11.3	45	F 7.5	490	21	24	--	--	0	68	56	15	--	--	153*	154
1230	1:04	1.0	96	7	C	1.05	2.02	--	--	.00	1.11	1.17	.44	--	--	98	114
80 2105.00 HOKELUNNE RIVER AT WOODBRIDGE																	
10/21/74	5:50	7.88	9.9	60	F 7.1	44	--	--	--	--	--	--	--	--	--	--	
1330		481	99	16	C												
11/12/74	5:50	6.45	10.0	59	F 7.1	42	--	--	--	--	--	--	--	--	--	--	
1310		432	99	15	C												
12/04/74	5:50	5.06	9.9	57	F 7.0	41	--	--	--	--	--	--	--	--	--	--	
1450		208	96	14	C												
01/16/75	5:50	4.22	11.9	48	F 7.1	43	--	--	--	--	--	--	--	--	--	--	
1530		87	102	9	C												
02/05/75	5:50	3.89	11.6	50	F 7.1	46	--	--	--	--	--	--	--	--	--	--	
1400		42	103	10	C												
03/20/75	5:50	8.41	11.1	50	F 7.1	41	4.1	1.2	2.3	--	0	19	--	1.9	--	25	15
1015	5:50	791	98	10	C 7.1	43	.40	.10	.10	.00	.31	.05	--	--	--	0	0.3
04/21/75	5:50	10.96	10.7	53.5	F 7.2	47	--	--	--	--	--	--	--	--	--	--	
1230		1230	99	11.9C													
05/01/75	5:50	9.87	9.8	55	F 7.2	47	--	--	--	--	--	--	--	--	--	--	
1420		1740	92	13	C												
05/15/75	5:50	7.84	9.9	59	F 7.2	46	--	--	--	--	--	--	--	--	--	--	
1300		679	97	15	C												
06/09/75	5:50	8.41	9.5	64	F 7.2	47	--	--	--	--	--	--	--	--	--	--	
1300		744	99	18	C												
07/09/75	5:50	6.34	9.6	67	F 7.2	47	--	--	--	--	--	--	--	--	--	--	
1415		415	104	19	C												
08/08/75	5:50	5.96	9.1	67	F 7.2	47	--	--	--	--	--	--	--	--	--	--	
1145		353	98	19	C												
09/12/75	5:50	7.24	9.5	62	F 7.3	47	4.5	1.4	2.6	--	0	22	--	2.7	--	29	17
1430	5:50	555	97	17	C 7.2	48	.22	.12	.11	.00	.36	.08	--	--	--	0	0.3
80 2500.00 STOCKTON DIVERTING CANAL AT STOCKTON																	
10/21/74	5:50	2.88			252	--	--	--	--	--	--	--	--	--	--	--	
1230		.0															
11/12/74	5:50	6.73	10.5	66	F 7.6	170	20	7.3	5.4	--	0	92	--	2.1	--	80	1A
1210	5:50	539	112	19	C 8.0	187	1.00	.90	.23	.00	1.51	.06	--	--	--	5	0.3
12/04/74	5:50	7.13	10.1	56	F 7.6	177	--	--	--	--	--	--	--	--	--	--	
1400		509	96	13	C												
01/16/75	5:50	3.31		47	F	209	--	--	--	--	--	--	--	--	--	--	
1500		641	8	C													
02/21/75	5:50	4.38	11.4	49	F 7.7	189	--	--	--	--	--	--	--	--	--	--	
1350		56	99	9	C												
03/27/75	5:50	11.74	10.6	51	F 7.6	170	19	7.9	6.2	--	0	92	--	9.4	--	102	80
1345	5:50	5573	95	11	C 7.9	184	.95	.65	.27	.00	1.51	.27	--	--	--	5	0.3
04/21/75	5:50	3.01	8.8	66	F 7.9	206	--	--	--	--	--	--	--	--	--	--	
1140		240	94	19	C												

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

TIME	SAMPLE LAB	G.W. DEPTH	00 SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN								MILLIGRAMS PER LITER MILLEQUIVALENTS PER LITER				MILLIGRAMS PER LITER					
						CA	MG	NA	K	CO3	HCO3	PERCENT REACTANCE		VALU NO3	B	F	TOS	TM NCH	TURB SAR				
												SO4	CL										
STOCKTON DIVERTING CANAL AT STOCKTON																				CONTINUED			
05/15/75 1100	5/50	3.67 18	8.5 97	72 22	F C	8.0	189	--	--	--	--	--	--	--	--	--	--	--	--				
06/09/75 1215	5/50	3.15 4.6	9.0 114	83.0F 28.3C	8.2 7.4	183 191	--	--	5.9 .26 13	--	0 .00	93 1.52	--	--	--	--	--	130	86 0.3				
07/09/75 1330	5/50	3.02 2.2	10.5 132	82 26	F C	8.3	195	--	--	--	--	--	--	--	--	--	--	--	--				
07/26/75 1200	5/50	3.04 2.6	9.6 124	85 29	F C	8.6	194	--	--	--	--	--	--	--	--	--	--	--	--				
08/25/75 1230	5/50	3.21 5.7	13.4 169	82 28	F C	9.1	189	--	--	--	--	--	--	--	--	--	--	--	--				
09/19/75 1300	5/50	3.45 3.9	11.4 137	77 25	F C	8.1 8.3	199 212	17 .85 42	8.9 .73 36	10 .44 22	--	0 .00	101 1.66	--	5.9 .17	--	--	146	79 0 0.5				
SAN JOAQUIN RIVER NEAR VERNALIS																							
10/02/74 1035	5/01 5/50	6.9 74	66 19	F C	7.6	345	--	--	--	--	0 .00	78 1.28	--	47 1.33	--	--	16.0	267	144F				
10/16/74 1030	5/01 5/50	12.37 2700	7.3 78	66 19	F C	7.6	500	--	--	--	--	0 .00	106 1.74	--	80 2.26	--	18.0	272	244F				
10/17/74 0800	5/50 5/50	12.75 7.0	64 18	F C	7.2 7.7	400 505	22 1.10	12 1.06	54 2.35	--	0 .00	103 1.69	36 .75 38	69 1.95 44	--	10 2.65	--	274	108 24 2.3				
11/06/74 1425	5/01 5/50	14.49 4500	8.7 84	57 14	F C	7.3	330	--	--	--	--	0 .00	68 1.11	--	43 1.21	--	14.2	194	164F				
11/18/74 1320	5/01 5/50	13.57 3670	8.9 88	59 15	F C	7.3	440	--	--	--	--	0 .00	76 1.25	--	56 1.58	--	14.0	239	104F				
11/21/74 0900	5/50 5/50	13.35 83	8.8 13.0C	55.4F 7.7	7.3	310 458	21 1.05	10 .89	53 2.31	--	0 .00	88 1.44	44 .92	61 1.72	2.7 .04	.20 --	--	248	97 25 2.3				
12/17/74 1300	5/01 5/50	14.62 4510	10.1 93	54 12	F C	7.6	375	--	--	--	--	0 .00	68 1.11	--	53 1.49	--	12.2	240	94F				
12/19/74 0900	5/50 5/50	12.67 77	8.7 10.0C	50.0F 8.1	7.2	358 525	22 1.10	12 1.06	58 2.52	--	0 .00	87 1.43	65 1.35	67 1.89	--	.40 --	--	292	108 37 2.4				
01/21/75 1600	5/01 5/50	12.56 2750	9.8 87	50 18	F C	7.5	645	--	--	--	--	0 .00	99 1.62	--	106 2.99	--	15.0	278	84F				
02/03/75 1450	5/01 5/50	13.27 3325	9.9 90	52 11	F C	7.3	633	--	--	--	--	--	--	--	95 2.68	--	11.8	370	104F				
03/18/75 1115	5/01 5/50	16.38 6420	9.7 92	55 13	F C	7.6	408	--	--	--	--	0 .00	78 1.28	--	49 1.38	--	14.0	239	224F				
04/01/75 1240	5/01 5/50	16.40 6440	9.7 92	55 13	F C	7.6	398	--	--	--	--	0 .00	76 1.25	--	50 1.41	--	14.0	250	254F				
04/18/75 1410	5/01 5/50	13.22 3380	9.4 93	54 15	F C	7.4	633	--	--	--	--	0 .00	110 1.80	--	80 2.26	--	17.0	239	264F				
05/01/75 1335	5/01 5/50	12.14 2510	8.9 95	66 19	F C	7.8	702	--	--	--	--	0 .00	125 2.05	--	121 3.41	--	16.0	472	324F				
05/15/75 1210	5/01 5/50	13.79 3870	9.5 101	64 18	F C	7.8	405	--	--	--	--	0 .00	83 1.36	--	54 1.52	--	18.0	240	194F				
06/03/75 1700	5/01 5/50	16.81 6670	8.9 95	66 19	F C	7.3	198	--	--	--	--	0 .00	44 .72	--	23 .65	--	10.0	107	184F				
06/17/75 1615	5/01 5/50	17.69 7930	8.7 93	66 19	F C	7.6	140	--	--	--	--	0 .00	37 .61	--	15 .42	--	10.0	81	174F				
06/25/75 1010	5/50 5/01	8.2 2930	86 88	66 19	F C	7.6	531	--	--	--	--	0 .00	110 1.80	--	--	--	16.2	--	384F				
07/01/75 1535	5/01 5/50	9.4 109	70 21	C	8.2	736	--	--	--	--	--	0 .00	145 2.38	--	120 3.38	--	16.0	438	324F				
07/15/75 1510	5/01 5/50	8.7 99	72 22	F C	8.2	778	--	--	--	--	--	0 .00	151 2.47	--	59 1.66	--	17.0	414	504F				
07/23/75 1035	5/50 5/01	7.4 69	77 25	F C	7.4 7.9	865	--	--	--	--	--	0 .00	132 2.16	--	--	--	18.6	--	544F				

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	D.W. Q OPEM	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	8	F	105	TH

4) 7020.00 SAN JOAQUIN RIVER NEAR VERNALIS						CONTINUED												
08/12/75 1615	5:01 5:50		9.4 115	70.8F 26.0C	7.2 733	--	--	--	--	--	--	106 2.99	--	--	196	48AF		
08/26/75 1200	5:01 5:50	11.14 1790	7.3 68	77 25	F 7.7 685	--	--	--	--	--	--	104 2.93	--	21.0	420	31AF		
09/11/75 1410	5:01 5:50	12.16 2530	7.9 91	72 22	F 7.8 471	--	--	--	--	0 .00	82 1.34	71 2.00	--	16.0	255	19AF		
09/25/75 1330	5:01 5:50	12.81 3250	7.4 86	73 23	F 7.9 379	--	--	--	--	0 .00	75 1.23	49 1.38	--	14.0	218	19AF		

R1 1150.00 COSUMES RIVER AT MICHIGAN BAR																		
11/15/74 1300	5:50	2.56 44	10.6 102	56 13	F 7.3 88	--	--	--	--	--	--	--	--	--	--	--		
12/05/74 1100	5:50 5:50	3.55 295	10.8 93	48 9	F 7.2 83 7.1 87	6.7 .33	4.2 .35	4.7 .20	-- 23	0 .00	43 .70	1.8 .05	--	--	71	34 0	6A 0.4	
01/21/75 1045	5:50	3.02 122	12.3 101	44 7	F 7.3 98	--	--	--	--	--	--	--	--	--	--	--		
02/25/75 1245	5:50	3.83 428			92	--	--	--	--	--	--	--	--	--	--	--		
03/21/75 0830	5:50	4.51 920	11.5 96	47 8	F 7.3 84	--	--	--	--	--	--	--	--	--	--	--		
04/25/75 1100	5:50 5:50	5.46 2080	11.4 101	50 10	F 7.2 50 7.0 63	4.4 .22	2.7 .22	2.8 .12	.9 .02	0 .00	32 .52	2.3 .05	.0 .00	.2 .00	48 29	22 0	21A 0.3	
05/12/75 0845	5:50	5.16 1650	9.8 96	50 14	F 7.2 46	--	--	--	--	--	--	--	--	--	--	--		
05/29/75 1315	5:50	4.70 1120	9.2 98	65 18	F 7.2 40	--	--	--	--	--	--	--	--	--	--	--		
05/20/75 1230	5:50 5:50	3.44 267	9.4 104	69.0F 21.5C	7.4 48 7.5 47	--	--	2.5 .11	-- 22	0 .00	24 .39	--	--	--	46	20	0.2	
07/17/75 1215	5:50	2.40 111	8.8 108	79 26	F 7.4 58	--	--	--	--	--	--	--	--	--	--	--		
08/07/75 1400	5:50 5:50	2.54 42	8.6 107	81.0F 26.6C	7.9 63 86	--	--	--	--	--	--	--	--	--	52		0A	

41 2100.00 COSUMES RIVER, NORTH FORK, NEAR EL OGRADO																		
04/25/75 0815	5:50 5:50	5.32 1150	11.2 96	46 6	F 7.1 43 7.2 43	4.2 .21	1.3 .11	2.5 .11	-- 26	0 .00	20 .33	1.0 .03	--	--	36	16 0	14A 0.3	
09/15/75 0830	5:50 5:50	2.39 17	8.2 91	66 19	F 7.2 59 7.2 61	5.5 .27	2.3 .19	3.0 .13	-- 22	0 .00	32 .52	1.7 .05	--	--	38	23 0	0A 0.3	

41 3150.00 COSUMES RIVER, MIDDLE FORK, NEAR SOMERSET																		
04/25/75 0930	5:50 5:50	6.89 109	11.7 109	43 6	F 7.1 32 7.2 36	3.3 .16	1.9 .16	2.3 .10	-- 24	0 .00	19 .31	.8 .02	--	--	30	16 1	14 0.3	
09/15/75 0930	5:50 5:50	3.64 97	8.6 97	65 18	F 7.2 53 7.2 55	5.7 .28	1.4 .12	2.6 .11	-- 22	0 .00	29 .48	1.2 .03	--	--	33	20 0	0A 0.3	

41 4110.01 COSUMES RIVER, SOUTH FORK, AT RIVER PINES																		
04/25/75 0900	5:50 5:50	10.9 160E	10.9 97	46 8	F 7.2 64 7.4 69	6.4 .32	2.4 .20	3.2 .14	-- 21	0 .00	36 .59	1.9 .05	--	--	42	26 0	4A 0.3	
09/15/75 0900	5:50 5:50	2E	6.8 77	65 18	F 7.2 115 7.7 125	12 .60	4.4 .43	4.2 .36	-- 15	0 .00	68 1.11	-- 1.0	--	--	74	52 0	0A 0.3	

42 0160.01 JACKSON CREEK AT JAPUR ROAD BRIDGE																		
05/08/75 1340	2:63 5:50		11.1 119	64 18	F 8.8 233 231	--	--	--	--	--	--	--	--	--	--	--		

42 0105.01 JACKSON CREEK BELOW CITY OF JACKSON STP																		
05/08/75 0945	2:63 5:50		9.9 100	59 15	F 7.9 225 232	--	--	--	--	--	--	--	--	--	--	--		

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.P. W DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER										MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3		R	F	TDS SUM	TH MCH	TURB SAR						

H2 0190.20 JACKSON CREEK ABOVE CITY OF JACKSON STP																										
05/08/75	2163		10.5	50	F 8.0	210	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0914	5050		106	14	C	257	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
H2 0190.55 JACKSON CREEK, NORTH FORK, IN JACKSON																										
05/08/75	2163		9.6	63	F 8.0	325	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1250	5050		103	17	C	333	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
H2 0190.70 JACKSON CREEK, SOUTH FORK, IN JACKSON																										
05/08/75	2163		10.0	64	F 7.8	171	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1040	5050		109	10	C	172	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
H2 0191.01 JACKSON CREEK ABOVE SOUTH FORK JACKSON CREEK																										
05/08/75	2163		9.8	62	F 7.6	172	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1100	5050		104	17	C	182	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
H2 0193.01 JACKSON CREEK BELOW NEW YORK GULCH																										
05/08/75	2163		8.4	65	F 7.6	151	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1220	5050		97	18	C	160	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
H9 D 745.3 118+3 SAN JOAQUIN RIVER ABOVE PARADISE CUT																										
06/25/75	5050		9.2	68	F 7.9	540	--	--	--	--	0	114	--	--	--	--	--	--	--	--	--	--	--	31 A	--	--
1125	5001		101	20	C		--	--	--	--	.00	1.87	--	--	--	--	--	--	--	--	--	--	16.2	--	--	--
3																										
07/22/75	5050		8.2	77	F 4.3	918	--	--	--	--	0	130	--	--	--	--	--	--	--	--	--	--	--	36AF	--	--
1125	5001		99	25	C 7.9		--	--	--	--	.00	2.13	--	--	--	--	--	--	--	--	--	--	16.8	--	--	--
3																										
H9 D 747.2 118+4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE																										
10/02/74	5001		7.9	66	F 7.4	365	--	--	--	--	0	96	--	46	--	--	--	--	--	--	--	218	12AF	--	--	
0950	5050		75	19	C		--	--	--	--	.00	1.57	--	1.30	--	--	--	--	--	--	--	16.2	--	--	--	--
3																										
10/16/74	5001		7.1	64	F 7.4	449	--	--	--	--	0	110	--	78	--	--	--	--	--	--	--	252	18AF	--	--	
0945	5050		75	10	C		--	--	--	--	.00	1.60	--	2.20	--	--	--	--	--	--	--	18.0	--	--	--	--
3																										
10/21/74	5050	3.10	8.6	62	F 7.3	590	26	12	57	3.0	0	106	47	67	5.2	.20	--	--	--	--	--	295	114	2.3	--	
1040	5050		88	17	C 7.7	530	1,30	.29	2.48	.08	.00	1.74	.98	1.09	.08		--	--	--	--	--	270	28	2.3	--	
3																										
11/06/74	5001		9.1	57	F 7.3	290	--	--	--	--	0	70	--	37	--	--	--	--	--	--	--	171	15AF	--	--	
1350	5050		87	14	C		--	--	--	--	.00	1.15	--	1.04	--	--	--	--	--	--	--	13.6	--	--	--	--
3																										
11/18/74	5001		8.7	55	F 7.7	440	--	--	--	--	0	78	--	59	--	--	--	--	--	--	--	244	11AF	--	--	
1240	5050		42	13	C		--	--	--	--	.00	1.28	--	1.66	--	--	--	--	--	--	--	14.4	--	--	--	--
3																										
11/22/74	5050	3.02	9.7	55	F 7.3	454	24	12	48	2.1	0	93	48	58	2.9	.20	--	--	--	--	--	257	110	2.0	--	
1500	5050		82	13	C 7.6	481	1,20	.49	2.09	.05	.00	1.52	1.00	1.64	.05		--	--	--	--	--	241	34	2.0	--	
3																										
12/17/74	5050		9.3	52	F 7.2	395	20	9.7	45	1.7	0	76	50	51	2.7	.20	--	--	--	--	--	227	90	2.1	--	
1100	5050		84	11	C 7.5	428	1,00	.80	1.96	.04	.00	1.25	1.04	1.44	.04		--	--	--	--	--	218	28	2.1	--	
3																										
12/17/74	5001		10.0	52	F 7.7	373	--	--	--	--	0	68	--	53	--	--	--	--	--	--	--	239	11AF	--	--	
1220	5050		90	11	C		--	--	--	--	.00	1.11	--	1.49	--	--	--	--	--	--	--	12.0	--	--	--	--
3																										
01/15/75	5050		10.4	50	F 7.2	301	15	7.9	32	1.4	0	59	34	39	2.1	.20	--	--	--	--	--	184	70	12AF	--	
1400	5050		92	10	C 7.9	324	.75	.65	1.39	.04	.00	.97	.71	1.10	.03		--	--	--	--	--	161	22	1.7	--	
3																										
01/21/75	5001		9.8	50	F 7.4	597	--	--	--	--	0	78	--	90	--	--	--	--	--	--	--	338	8AF	--	--	
1515	5050		87	11	C		--	--	--	--	.00	1.28	--	2.79	--	--	--	--	--	--	--	13.0	--	--	--	--
3																										
02/03/75	5001		10.1	50	F	562	--	--	--	--	--	--	--	85	--	--	--	--	--	--	--	317	12AF	--	--	
1410	5050		89	10	C		--	--	--	--	--	--	--	2.40	--	--	--	--	--	--	--	13.8	--	--	--	--
3																										
02/21/75	5050		10.2	49	F 7.3	362	20	9.2	42	2.0	0	72	55	49	2.3	.30	--	--	--	--	--	227	88	22AF	--	
1200	5050		89	9	C 7.5	395	1,00	.76	1.83	.05	.00	1.10	1.15	1.38	.04		--	--	--	--	--	215	29	2.0	--	
3																										
03/18/75	5001		9.6	54	F 7.5	381	--	--	--	--	0	75	--	45	--	--	--	--	--	--	--	231	25AF	--	--	
1010	5050		88	12	C		--	--	--	--	.00	1.23	--	1.27	--	--	--	--	--	--	--	13.8	--	--	--	--
3																										
03/27/75	5050	6.05	9.7	54	F 7.3	322	16	10	36	1.4	0	72	42	37	3.4	.20	--	--	--	--	--	193	81	26AF	--	
1200	5050		90	12	C 7.6	340	.80	.62	1.57	.04	.00	1.18	.87	1.04	.05		--	--	--	--	--	181	22	1.7	--	
3																										
04/01/75	5001		9.7	54	F 7.7	373	--	--	--	--	0	75	--	45	--	--	--	--	--	--	--	230	26AF	--	--	
1150	5050		90	12	C		--	--	--	--	.00	1.23	--	1.27	--	--	--	--	--	--	--	15.0	--	--	--	--
3																										
04/18/75	5001		9.0	57	F 7.8	641	--	--	--	--	0	109	--	92	--	--	--	--	--	--	--	357	21AF	--	--	
1310	5050		87	14	C		--	--	--	--	.00	1.79	--	2.59	--	--	--	--	--	--	--	15.0	--	--	--	--
3																										
04/21/75	5050	2.90	8.8	63	F 7.4	585	30	15	64	1.8	0	111	68	84	3.6	.30	--	--	--	--	--	152	138	20AF	--	
0930	5050		91	17	C 7.7	599	1,50	1.23	2.78	.05	.00	1.62	1.42	2.37	.06		--	--	--	--	--	121	46	2.4	--	
3																										

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.P. DEPTH	OD SAT	TEMP	FIELD LABORATORY HM	MINERAL CONSTITUENTS IN EC	CA	MG	NA	K	CO ₃	HC ₃	SO ₄	CL	NO ₃	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE	8	F	TDS SUM	TM NCH	TURB SAR
R9 D 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE																					
												CONTINUED									
05/01/75 1235	SU01 SU50		9.3 9A	64 18	F C	7.8 695	--	--	--	--	0 +0	123 2+26	--	86 2+26	--	--	--	15+0	422		22AF
05/15/75 1115	SU01 SU50		9.6 101	64 18	F C	7.4 420	--	--	--	--	0 +0	84 1.38	--	58 1.64	--	--	--	16+0	225		18AF
05/28/75 1000	SU50	4.72	9.2 161	66.0F 21.0C	7.5 309	16 322	7.3 .80	33 21	1.9 50	0 2	64 +05	30 1.05	41 .62	2.5 1.16	1.0 .04	1 1	30 --	--	194 163	70 18	33AF 1.7
06/03/75 1600	SU01 SU50		8.9 97	68 2C	F C	7.5 211	--	--	--	--	0 +0	48 .79	--	24 .68	--	--	--	10+0	127		22AF
06/17/75 1525	SU01 SU50		8.6 94	68 2C	F C	7.5 153	--	--	--	--	0 +0	48 .66	--	16 .45	--	--	--	10+0	79		21AF
06/25/75 0645	SU50		9.2 102	69 21	F C	7.4 544	29 1.45	14 1.15	52 2.26	2.8 .07	0 +0	110 1.08	52 35	77 21	5.3 4.2	1.0 2	20 --	--	115 286	132 40	32AF 2+0
06/25/75 1225	SU50		9.2 101	68 2C	F C	7.9 541	--	--	--	--	0 +0	114 1.87	--	--	--	--	--	16+0			28AF
07/01/75 1435	SU01 SU50		10.4 116	76 21	F C	8.2 708	--	--	--	--	0 +0	138 2.26	--	118 3.33	--	--	--	7+6	423		26AF
07/15/75 1400	SU01 SU50		10.1 114	72 22	F C	8.5 837	--	--	--	--	4.0 +13	151 2+47	--	68 1.92	--	--	--	15+0	465		25AF
07/18/75 0930	SU50 SU50	2.06	10.8 127	75.0F 23.9C	8.0 831	740 2+15	43 1.81	22 3.83	88 10	3.9 1	0 +0	156 2.56	86 1.79	126 3.55	9.0 +15	1.0 2	30 --	--	487 455	198 70	38AF 2+7
07/23/75 1200	SU50 SU01		9.3 114	79 2C	F C	8.2 806	--	--	--	--	0 +0	130 2+13	--	--	--	--	--	16+0			35AF
08/12/75 1525	SU01 SU50		9.9 119	77.0F 25.0C	7.4 843	--	--	--	--	--	--	--	--	123 3.47	--	--	--	17+0	474		28AF
08/18/75 1400	SU50 SU50		7.7 89	73.0F 22.8C	7.6 824	620 2+05	41 1.73	21 3.83	88 1.2	4.5 +0	0 +0	154 2.52	78 1.62	126 3.55	9.5 +15	1.0 2	30 --	--	479 444	187 63	35AF 2+8
08/26/75 1120	SU01 SU50		7.9 93	75 2C	F C	7.7 643	--	--	--	--	--	--	--	99 2.79	--	--	--	20+0	195		19AF
09/11/75 1315	SU01 SU50		7.5 85	72 2C	F C	7.8 512	--	--	--	--	0 +0	88 1.44	--	75 2+12	--	--	--	16+0	295		17AF
09/19/75 1100	SU50 SU50		6.4 71	70 21	F C	7.4 471	25 1.25	11 30	46 2.00	3.5 +0	0 +0	165 1.72	37 +77	64 1.80	5.2 +00	1 2	20 --	--	276 244	109 22	21AF 1.9
09/25/75 1240	SU01 SU50		7.3 83	72 2C	F C	7.7 410	--	--	--	--	0 +0	78 1.28	--	57 1.61	--	--	--	15+0	233		18AF
R9 D 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE																					
10/03/74 0945	SU01 SU50		6.8 73	66 19	F C	7.8 415	--	--	--	--	0 +0	86 1.41	--	64 1.80	--	--	--	13+8			17AF
10/17/74 0950	SU01 SU50		5.7 61	64 18	F C	7.3 498	--	--	--	--	0 +0	124 2+03	--	82 2.31	--	--	--	17+2			18AF
11/07/74 1455	SU01 SU50		8.0 76	55 13	F C	7.3 278	--	--	--	--	0 +0	74 1.21	--	42 1.18	--	--	--	14+0			14AF
11/19/74 1245	SU01 SU50		8.2 76	55 13	F C	7.6 470	--	--	--	--	0 +0	84 1.38	--	68 1.92	--	--	--	15+0			12AF
12/18/74 1201	SU01 SU50		8.4 74	50 1C	F C	7.4 484	--	--	--	--	0 +0	92 1.51	--	71 2+00	--	--	--	--			10AF
01/22/75 1515	SU01 SU50		9.1 78	48 9	F C	7.4 595	--	--	--	--	0 +0	94 1.54	--	99 2.79	--	--	--	13+2			9AF
02/04/75 1455	SU01 SU50		10.0 84	50 1C	F C	7.7 590	--	--	--	--	0 +0	88 1.44	--	85 2+40	--	--	--	11+2			14AF
03/18/75 0930	SU01 SU50		9.3 8A	54 12	F C	7.6 424	--	--	--	--	0 +0	82 1.34	--	57 1.61	--	--	--	14+0			18AF
04/01/75 1110	SU01 SU50		4.5 8A	52 11	F C	7.7 382	--	--	--	--	0 +0	76 1.27	--	45 1.27	--	--	--	17+0			23AF
04/18/75 1229	SU01 SU50		10.7 107	57 14	F C	8.2 665	--	--	--	--	0 +0	114 1.87	--	94 2+65	--	--	--	15+0			17AF

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	O.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH	TURB SAR
							CA	MG	NA	K	CO3	MCO3	SO4	CL	NO3	B	F	SIO2			
R9 D 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE																					
											CONTINUED										
05/01/75	S101		10.9	63	F	8.2	753	--	--	--	0	129	--	111	--	--	--	--	--	--	20AF
1115	S150	3	112	17	C			--	--	--	.00	2.11	--	3.13	--	--	--	14.0	--	--	
05/15/75	S101		9.8	64	F	8.1	534	--	--	--	0	104	--	77	--	--	--	--	--	--	20AF
1015	S150	3	103	18	C			--	--	--	.00	1.76	--	2.17	--	--	--	15.0	--	--	
06/03/75	S101		10.0	70	F	7.7	250	--	--	--	0	55	--	34	--	--	--	--	--	--	25AF
1515	S150	3	111	21	C			--	--	--	.00	.90	--	.96	--	--	--	10.0	--	--	
06/17/75	S101		8.5	68	F	7.7	180	--	--	--	0	46	--	22	--	--	--	--	--	--	24AF
1425	S150	3	93	20	C			--	--	--	.00	.75	--	.62	--	--	--	10.0	--	--	
07/01/75	S101		11.4	66	F	8.7	758	--	--	--	6.0	131	--	123	--	--	--	--	--	--	27AF
1340	S150	3	125	20	C			--	--	--	.20	2.15	--	3.47	--	--	--	12.0	--	--	
07/15/75	S101		7.4	72	F	8.2	945	--	--	--	0	166	--	160	--	--	--	--	--	--	27AF
1300	S150	3	84	22	C			--	--	--	.00	2.72	--	4.51	--	--	--	11.0	--	--	
08/12/75	S101		9.4	77.0F	7.4	878	--	--	--	--	--	--	--	142	--	--	--	--	--	--	32AF
1330	S150	3	119	25.0C				--	--	--	--	--	--	4.00	--	--	--	14.0	--	--	
08/26/75	S101		6.8	73	F	7.8	650	--	--	--	--	--	--	104	--	--	--	--	--	--	24AF
1025	S150	3	79	23	C			--	--	--	--	--	--	2.93	--	--	--	19.0	--	--	
09/11/75	S101		6.9	72	F	7.8	515	--	--	--	0	85	--	75	--	--	--	--	--	--	23AF
1225	S150	3	78	22	C			--	--	--	.00	1.39	--	2.12	--	--	--	15.0	--	--	
09/25/75	S101		5.5	73	F	7.5	501	--	--	--	0	88	--	78	--	--	--	--	--	--	22AF
1145	S150	3	64	23	C			--	--	--	.00	1.44	--	2.20	--	--	--	14.0	--	--	
R9 D 749.8 133.2 WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CT FOREBAY																					
10/03/74	S101		7.0	68	F	7.8	304	--	--	--	0	82	--	33	--	--	--	--	--	--	20AF
1035	S150	3	76	20	C			--	--	--	.00	1.34	--	.93	--	--	--	10.4	--	--	
10/17/74	S101		7.3	66	F	7.3	235	--	--	--	0	86	--	27	--	--	--	--	--	--	21AF
1040	S150	3	78	19	C			--	--	--	.00	1.41	--	.76	--	--	--	14.6	--	--	
11/07/74	S101		8.2	55	F	7.3	311	--	--	--	0	76	--	42	--	--	--	--	--	--	16AF
1550	S150	3	78	13	C			--	--	--	.00	1.25	--	1.18	--	--	--	13.8	--	--	
11/19/74	S101		8.3	55	F	7.5	526	--	--	--	0	66	--	75	--	--	--	--	--	--	11AF
1330	S150	3	78	13	C			--	--	--	.00	1.41	--	2.12	--	--	--	15.4	--	--	
12/18/74	S101		8.9	50	F	7.5	403	--	--	--	0	70	--	59	--	--	--	--	--	--	17AF
1300	S150	3	79	10	C			--	--	--	.00	1.15	--	1.66	--	--	--	14.0	--	--	
01/22/75	S101		9.6	45	F	7.2	432	--	--	--	0	72	--	61	--	--	--	--	--	--	20AF
1615	S150	3	79	7	C			--	--	--	.00	1.18	--	1.72	--	--	--	--	--	--	
02/04/75	S101		11.0	46	F	7.5	354	--	--	--	0	73	--	40	--	--	--	--	--	--	21AF
1600	S150	3	93	8	C			--	--	--	.00	1.20	--	1.13	--	--	--	17.8	--	--	
03/18/75	S101		9.1	54	F	7.5	412	--	--	--	0	78	--	57	--	--	--	--	--	--	18AF
1155	S150	3	84	12	C			--	--	--	.00	1.28	--	1.61	--	--	--	14.2	--	--	
04/01/75	S101		8.5	54	F	7.8	377	--	--	--	0	80	--	46	--	--	--	--	--	--	21AF
1210	S150	3	79	12	C			--	--	--	.00	1.31	--	1.30	--	--	--	16.0	--	--	
04/16/75	S101		9.0	55	F	7.8	284	--	--	--	--	--	--	28	--	--	--	--	--	--	24AF
1105	S150	3	85	13	C			--	--	--	--	--	--	.79	--	--	--	14.0	--	--	
05/01/75	S101		9.1	61	F	7.7	233	--	--	--	0	68	--	21	--	--	--	--	--	--	21AF
1225	S150	3	92	16	C			--	--	--	.00	1.11	--	.59	--	--	--	15.0	--	--	
05/15/75	S101		8.7	64	F	7.8	235	--	--	--	0	66	--	24	--	--	--	--	--	--	25AF
1110	S150	3	91	18	C			--	--	--	.00	1.08	--	.68	--	--	--	13.0	--	--	
06/03/75	S101		7.8	70	F	7.8	291	--	--	--	0	63	--	40	--	--	--	--	--	--	25AF
1635	S150	3	87	21	C			--	--	--	.00	1.03	--	1.13	--	--	--	9.5	--	--	
06/17/75	S101		8.0	70	F	7.6	220	--	--	--	--	--	--	28	--	--	--	--	--	--	28AF
1555	S150	3	89	21	C			--	--	--	--	--	--	.79	--	--	--	11.0	--	--	
07/01/75	S101		7.6	72	F	7.6	227	--	--	--	0	58	--	27	--	--	--	--	--	--	31AF
1525	S150	3	86	22	C			--	--	--	.00	.95	--	.76	--	--	--	12.0	--	--	
07/15/75	S101		7.1	73	F	7.6	208	--	--	--	0	59	--	21	--	--	--	--	--	--	23AF
1440	S150	3	82	23	C			--	--	--	.00	.97	--	.59	--	--	--	14.0	--	--	
08/12/75	S101		7.1	77.0F	7.6	178	--	--	--	--	0	66	--	13	--	--	--	--	--	--	16AF
1245	S150	3	85	25.0C				--	--	--	.00	1.08	--	.37	--	--	--	14.0	--	--	

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN										MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	PERCENT REACTANCE VALUE	H	F	TDS SUM	TH NCH	TURB SAR				
H9 D 749.8 135.2 WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CT FOREBAY CONTINUED																								
08/25/75 1100	5U01 5U50		7.7 91	75 24	F 7.6 C	208	--	--	--	--	0 .00	68 1.11	--	22 .62	--	--	--	124		214F				
3																								
09/11/75 1335	5U01 5U50		7.6 88	73 23	F 8.5 C	221	--	--	--	--	2.0 .07	90 1.48	--	19 .54	--	--	--	127		174F				
3																								
09/26/75 1315	5U01 5U50		7.4 86	73 23	F C	242	--	--	--	--	--	--	--	24 .68	--	--	--	135		174F				
3																								
H9 D 751.9 119.3 SAN JOAQUIN RIVER AT RHANOT BRIDGE																								
10/02/74 0915	5U01 5U50		7.3 78	60 19	F 7.5 C	375	--	--	--	--	0 .00	88 1.44	--	52 1.47	--	--	--			124F				
3																								
10/16/74 0910	5U01 5U50		7.2 74	64 18	F 7.4 C	430	--	--	--	--	0 .00	102 1.67	--	73 2.06	--	--	--			114F				
3																								
11/06/74 1315	5U01 5U50		8.8 87	59 15	F 7.4 C	268	--	--	--	--	0 .00	64 1.05	--	34 .96	--	--	--			114F				
3																								
11/18/74 1150	5U01 5U50		8.6 81	55 13	F 7.7 C	430	--	--	--	--	0 .00	80 1.31	--	58 1.64	--	--	--			84F				
3																								
12/17/74 1140	5U01 5U50		9.9 90	52 11	F 7.6 C	374	--	--	--	--	0 .00	68 1.11	--	53 1.49	--	--	--			94F				
3																								
01/21/75 1440	5U01 5U50		10.2 90	50 10	F 7.4 C	398	--	--	--	--	0 .00	50 .82	--	58 1.64	--	--	--			74F				
3																								
02/03/75 1335	5U01 5U50		10.4 97	51 10	F C	445	--	--	--	--	--	--	--	66 1.86	--	--	--			104F				
3																								
H9 D 757.4 131.7 MIDDLE RIVER AT BACON ISLAND BRIDGE																								
10/01/74 0950	5U01 5U50		8.1 68	70 21	F 7.6 C	355	--	--	--	--	0 .00	92 1.51	--	44 1.24	--	--	--			134F				
3																								
10/16/74 0905	5U01 5U50		6.0 64	66 19	F 7.5 C	326	--	--	--	--	0 .00	84 1.38	--	44 1.24	--	--	--			134F				
3																								
11/06/74 1410	5U01 5U50		7.4 75	59 15	F 7.4 C	325	--	--	--	--	0 .00	74 1.21	--	39 1.10	--	--	--			154F				
3																								
11/18/74 1215	5U01 5U50		7.0 68	57 14	F 7.4 C	352	--	--	--	--	0 .00	72 1.18	--	48 1.35	--	--	--			134F				
3																								
12/17/74 1110	5U01 5U50		7.8 69	50 10	F C	374	--	--	--	--	0 .00	68 1.11	--	51 1.44	--	--	--			144F				
3																								
02/03/75 1325	5U01 5U50		10.6 89	46 6	F 7.1 C	391	--	--	--	--	0 .00	76 1.25	--	47 1.33	--	--	--			124F				
3																								
H9 D 758.2 134.3 OLD RIVER OPPOSITE RANCHO DEL RIO																								
10/01/74 1020	5U01 5U50		8.1 89	68 26	F 7.8 C	202	--	--	--	--	0 .00	72 1.18	--	16 .45	--	--	--	118		174F				
3																								
10/16/74 0935	5U01 5U50		7.9 85	66 19	F 7.5 C	187	--	--	--	--	0 .00	86 1.08	--	16 .45	--	--	--	109		144F				
3																								
11/06/74 1440	5U01 5U50		7.9 78	59 15	F 7.5 C	278	--	--	--	--	0 .00	58 .95	--	31 .87	--	--	--	170		164F				
3																								
11/18/74 1305	5U01 5U50		8.1 78	57 14	F 7.5 C	310	--	--	--	--	0 .00	68 1.11	--	38 1.07	--	--	--	181		134F				
3																								
12/17/74 1155	5U01 5U50		9.2 81	50 10	F C	338	--	--	--	--	0 .00	68 1.11	--	42 1.18	--	--	--	199		154F				
3																								
02/03/75 1410	5U01 5U50		11.3 95	46 8	F 7.3 C	255	--	--	--	--	0 .00	72 1.18	--	24 .68	--	--	--	142		154F				
3																								
03/18/75 1050	5U01 5U50		9.5 88	54 12	F 7.5 C	305	--	--	--	--	0 .00	75 1.23	--	31 .87	--	--	--	178		234F				
3																								
04/01/75 1055	5U01 5U50		9.1 82	52 11	F 7.9 C	258	--	--	--	--	0 .00	74 1.21	--	26 .73	--	--	--	181		284F				
3																								
04/16/75 1005	5U01 5U50		9.2 89	57 14	F 7.6 C	192	--	--	--	--	--	--	--	15 .42	--	--	--	118		234F				
3																								
05/01/75 1125	5U01 5U50		9.6 99	63 17	F 7.8 C	176	--	--	--	--	0 .00	64 1.05	--	12 .34	--	--	--	142		164F				
3																								

DATE TIME	SAMPLER LAB	G.W. DEPTH	DO SAT	TEMP	FIELD LABORATORY PM EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER PERCENT REACTANCE				MILLIGRAMS PER LITER				TURB SAR	
						CA	MG	NA	K	CO3	NO3	SO4	CL	NO3	8	5102	105 SUM	TH NCH		
R9 D 758.2 134.3 OLD RIVER OPPOSITE RANCHO DEL RIO																	CONTINUED			
05/15/75 1015	5001 5050		9.3 98	64 18	F C	8.3	135	--	--	--	0 .00	57 .93	--	7.0 .20	--	--	95	17AF		
		3																		
06/03/75 1535	5001 5050		7.0 81	73 23	F C	7.6	198	--	--	--	0 .00	82 1.02	--	19 .54	--	--	115	21AF		
		3																		
06/17/75 1455	5001 5050		7.0 81	73 23	F C	7.5	228	--	--	--	--	--	--	23 .65	--	--	136	24AF		
		3																		
07/01/75 1420	5001 5050		7.5 87	73 23	F C	7.5	175	--	--	--	0 .00	57 .93	--	17 .48	--	--	88	24AF		
		3																		
07/15/75 1340	5001 5050		7.3 84	73 23	F C	7.6	165	--	--	--	0 .00	58 .95	--	12 .34	--	--	96	18AF		
		3																		
08/12/75 1155	5001 5050		7.8 92	75.2F 24.0C		7.9	167	--	--	--	0 .00	65 1.07	--	13 .37	--	--	104	15AF		
		3																		
08/25/75 1005	5001 5050		8.3 98	75 24	F C	7.8	222	--	--	--	0 .00	67 1.10	--	19 .54	--	--	123	13AF		
		3																		
09/11/75 1215	5001 5050		8.3 94	72 22	F C	8.5	206	--	--	--	2.0 .07	87 1.43	--	17 .48	--	--	118	12AF		
		3																		
09/26/75 1225	5001 5050		8.1 94	73 23	F C		199	--	--	--	--	--	--	14 .39	--	--	109	12AF		
		3																		
R9 D 758.6 138.3 ROCK SLOUGH AT CONTRA COSTA CANAL INTAKE																				
10/03/74 0840	5001 5050		6.7 73	68 20	F C	7.4	191	--	--	--	0 .00	72 1.18	--	15 .42	--	--	120	18AF		
		3																		
10/17/74 0850	5001 5050		6.9 74	66 19	F C	7.3	183	--	--	--	0 .00	84 1.38	--	17 .48	--	--	110	18AF		
		3																		
11/07/74 1355	5001 5050		7.9 76	57 14	F C	7.1	235	--	--	--	0 .00	80 1.31	--	25 .71	--	--	153	18AF		
		3																		
11/19/74 1140	5001 5050		8.0 77	57 14	F C	7.1	350	--	--	--	0 .00	72 1.18	--	45 1.27	--	--	206	15AF		
		3																		
12/18/74 1100	5001 5050		9.0 78	48 9	F C	7.4	406	--	--	--	0 .00	80 1.31	--	57 1.61	--	--	262	15AF		
		3																		
01/22/75 1415	5001 5050		9.7 87	45 7	F C	7.3	325	--	--	--	0 .00	71 1.16	--	36 1.02	--	--	194	16AF		
		3																		

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	Q.M. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	8	F	TO5	TH
99 0 758.7 122.9 SAN JOAQUIN RIVER AT RUCKLEY COVE																		
CONTINUED																		
05/01/75 0956	S-01 S-050		63 17	F C	7.9 7.9	541	--	--	--	--	107 1.75	--	--	--	--	--	174F	
35																		
05/15/75 0855	S-01 S-050		8.9 97	68 20	F C	8.2 8.2	453	--	--	--	0 .00	97 1.59	--	65 1.83	--	12.0	292	
3																	134F	
06/03/75 1400	S-01 S-050		8.5 96	72 22	F C	8.1 8.1	333	--	--	--	0 .00	70 1.15	--	47 1.33	--	9.2	185	
3																	174F	
06/17/75 1330	S-01 S-050		7.5 85	72 22	F C	7.6 7.6	187	--	--	--	--	--	--	25 .71	--	11.0	116	
3																	184F	
07/01/75 1305	S-01 S-050		6.4 74	73 23	F C	7.5 7.5	415	--	--	--	0 .00	86 1.41	--	86 1.86	--	11.0	257	
3																	154F	
07/15/75 1200	S-01 S-050		6.5 78	75 24	F C	7.7 7.7	560	--	--	--	0 .00	104 1.70	--	94 2.65	--	8.2	320	
3																	114F	
08/12/75 1015	S-01 S-050		8.3 101	76.8F 26.0C	8.0	426	--	--	--	--	0 .00	97 1.59	--	86 1.86	--	2.3	238	
3																	154F	
08/25/75 0855	S-01 S-050		5.3 64	77 25	F C	7.6 7.6	566	--	--	--	0 .00	120 1.97	--	94 2.65	--	2.0	317	
3																	124F	
09/11/75 1100	S-01 S-050		5.0 59	75 24	F C	8.2 8.2	620	--	--	--	0 .00	153 2.51	--	97 2.74	--	9.1	347	
3																	124F	
09/26/75 1105	S-01 S-050		2.5 29	75 24	F C		512	--	--	--	--	--	--	80 2.26	--	16.0	296	
3																	84F	
89 0 758.8 124.5 TURNER CUT AT McDONALD ISLAND FERRY																		
10/01/74 0925	S-01 S-050		4.5 50	7.0 21	F C	7.5 7.5	403	--	--	--	0 .00	100 1.84	--	53 1.49	--	14.6	154F	
3																		
10/16/74 0820	S-01 S-050		4.6 46	6.4 18	F C	7.6 7.6	435	--	--	--	0 .00	102 1.67	--	64 1.80	--	16.8	164F	
3																		
11/05/74 1345	S-01 S-050		7.1 70	59 15	F C	7.4 7.4	360	--	--	--	0 .00	72 1.18	--	48 1.35	--	14.2	134F	
3																		
11/18/74 1150	S-01 S-050		7.0 68	57 14	F C	7.5 7.5	378	--	--	--	0 .00	82 1.34	--	49 1.38	--	15.2	134F	
3																		
12/17/74 1040	S-01 S-050		8.0 72	52 11	F C		348	--	--	--	0 .00	68 1.11	--	65 1.27	--	12.8	154F	
3																		

MINERAL ANALYSES OF SURFACE WATER

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TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	0.4 M DEPTH	00 SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO3	HC03	S04	NO3	8	F	TO- SUM	TH NCH	TURB SAR

R9 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL CONTINUED																		
09/17/75	5101		8.0	68	F	8.0	409	--	--	--	0	84	73	--	--	212	21AF	
1605	5450		87	20	C			--	--	--	0.00	1.38	2.06	--	16.0			
3																		
R9 D 802.6 125.1 DISAPPOINTMENT SLOUGH AT BISHOP CUT																		
10/02/74	5101		6.8	68	F	7.2	172	--	--	--	0	86	13	--	--		18AF	
0800	5450		74	23	C			--	--	--	0.00	1.41	.37	--	13.8			
3																		
10/16/74	5101		7.1	63	F	7.2	142	--	--	--	0	80	11	--	--		17AF	
0745	5450		73	17	C			--	--	--	0.00	1.31	.31	--	15.4			
3																		
11/06/74	5101		7.9	59	F	7.3	231	--	--	--	0	72	24	--	--		16AF	
1225	5450		78	15	C			--	--	--	0.00	1.18	.68	--	14.2			
3																		
11/18/74	5101		7.6	57	F	7.4	240	--	--	--	0	68	27	--	--		15AF	
1040	5450		73	14	C			--	--	--	0.00	1.11	.76	--	14.2			
3																		
12/17/74	5101		7.8	50	F	7.4	277	--	--	--	0	76	35	--	--		13AF	
1015	5450		69	10	C			--	--	--	0.00	1.25	.99	--	15.4			
3																		
01/21/75	5101		8.4	46	F	7.2	372	--	--	--	0	62	45	--	--		17AF	
1335	5450		71	8	C			--	--	--	0.00	1.02	1.27	--	22.8			
3																		
02/03/75	5101		10.7	46	F		407	--	--	--	--	--	55	--	--		18AF	
1240	5450		90	8	C			--	--	--	--	--	1.55	--	17.4			
3																		
03/18/75	5101		7.2	52	F	8.1	289	--	--	--	0	90	35	--	--		33AF	
0805	5450		65	11	C			--	--	--	0.00	1.48	.99	--	14.4			
3																		
04/01/75	5101		9.1	52	F	7.7	365	--	--	--	0	101	43	--	--		31AF	
0955	5450		81	11	C			--	--	--	0.00	1.06	1.21	--	9.2			
3																		
04/18/75	5101		9.9	57	F	7.8	317	--	--	--	0	94	35	--	--		22AF	
1020	5450		96	14	C			--	--	--	0.00	1.54	.99	--	14.0			
3																		
05/01/75	5101		9.7	63	F	7.7	229	--	--	--	0	78	23	--	--		22AF	
1005	5450		100	17	C			--	--	--	0.00	1.28	.65	--	13.0			
3																		
05/15/75	5101		7.7	63	F	7.4	144	--	--	--	0	53	11	--	--		22AF	
0830	5450		79	17	C			--	--	--	0.00	.87	.31	--	13.0			
3																		
06/03/75	5101		7.2	72	F	7.3	185	--	--	--	0	63	17	--	--		23AF	
1345	5450		82	22	C			--	--	--	0.00	1.03	.48	--	14.0			
3																		
06/17/75	5101		6.6	70	F	7.5	215	--	--	--	0	71	22	--	--		22AF	
1255	5450		74	21	C			--	--	--	0.00	1.16	.62	--	13.0			
3																		
07/01/75	5101		6.7	72	F	7.7	234	--	--	--	0	81	26	--	--		28AF	
1205	5450		71	22	C			--	--	--	0.00	1.33	.73	--	12.0			
3																		
07/15/75	5101		5.4	72	F	8.1	237	--	--	--	0	79	26	--	--		28AF	
1130	5450		66	22	C			--	--	--	0.00	1.29	.73	--	15.0			
3																		
08/12/75	5101		7.1	70	F	8.4	260	--	--	--	--	--	23	--	--		18AF	
1135	5450		79	21	C			--	--	--	--	--	.65	--	16.0			
3																		
08/26/75	5101		6.6	75	F	7.4	228	--	--	--	--	--	22	--	--		17AF	
0905	5450		78	24	C			--	--	--	--	--	.62	--	18.0			
3																		
09/11/75	5101		7.1	72	F	7.7	221	--	--	--	0	66	19	--	--		15AF	
1035	5450		81	22	C			--	--	--	0.00	1.08	.54	--	15.0			
3																		
09/25/75	5101		6.3	73	F	7.6	250	--	--	--	0	73	26	--	--		21AF	
1020	5450		73	23	C			--	--	--	0.00	1.20	.73	--	16.0			
3																		
R9 D 802.6 136.8 FRANKS TRACT NEAR RUSSOS LANDING																		
10/09/74	5101		8.8	64	F	7.9	160	--	--	--	0	62	11	--	--		14AF	
1205	5450		92	18	C			--	--	--	0.00	1.02	.31	--	14.0			
3																		
10/22/74	5101		8.9	64	F	7.7	138	--	--	--	0	54	9.4	--	--		13AF	
1235	5450		93	18	C			--	--	--	0.00	.89	.27	--	15.2			
3																		
11/20/74	5101		9.1	55	F	7.7	201	--	--	--	0	60	21	--	--		12AF	
1120	5450		84	13	C			--	--	--	0.00	.98	.59	--	16.0			
3																		
12/10/74	5101		9.4	50	F	7.6	202	--	--	--	0	58	17	--	--		10AF	
1530	5450		84	10	C			--	--	--	0.00	.95	.48	--	16.2			
3																		
01/07/75	5101		11.2	45	F	7.6	204	--	--	--	0	60	17	--	--		12AF	
1445	5450		92	7	C			--	--	--	0.00	.98	.48	--	17.8			
3																		

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	00 SAT	TEMP	FIELD LABORATORY PM EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER								
						CA	MG	NA	K	PERCENT REACTANCE VALUE			8	F	TDS SUM	TH MCM	TURB SAR					
										CO3	HCO3	NO3										
89 D 802.6 136.8 FRANKS TRACT NEAR RUSSELLS LANDING																			CONTINUED			
02/05/75 1355	5001 5050		11.0 93	46 8	F C	7.3	211	--	--	--	--	--	--	17 .48	--	--	18.8	144F				
		3																				
03/19/75 1035	5001 5050			54 12	F C	7.6	263	--	--	--	0 .00	73 1.20	--	24 .68	--	--	18.2	324F				
		3																				
04/02/75 1055	5001 5050		10.1 93	54 12	F C	7.8	206	--	--	--	0 .00	68 1.11	--	17 .48	--	--	16.0	374F				
		3																				
04/22/75 1605	5001 5050		10.0 99	59 15	F C	7.8	168	--	--	--	0 .00	66 1.08	--	11 .31	--	--	17.0	184F				
		3																				
05/07/75 1610	5001 5050		10.5 108	63 17	F C	8.2	139	--	--	--	0 .00	58 .95	--	7.0 .20	--	--	14.0	174F				
		3																				
05/21/75 1525	5001 5050		9.9 104	64 18	F C	8.2	137	--	--	--	0 .00	56 .92	--	9.0 .25	--	--	14.0	234F				
		3																				
06/04/75 1440	5001 5050		10.0 118	75 24	F C	8.4	167	--	--	--	2.0 .07	58 .95	--	13 .37	--	--	12.0	174F				
		3																				
06/18/75 1410	5001 5050		8.6 96	70 21	F C	7.8	154	--	--	--	0 .00	55 .90	--	13 .37	--	--	12.0	244F				
		3																				
07/02/75 1310	5001 5050		8.5 95	70 21	F C	7.8	146	--	--	--	0 .00	57 .93	--	11 .31	--	--	14.0	244F				
		3																				
07/16/75 1235	5001 5050		7.9 90	72 22	F C	7.9	163	--	--	--	0 .00	59 .97	--	11 .31	--	--	16.0	184F				
		3																				
08/13/75 1120	5001 5050		8.4 95	72 22	F C	8.0	202	--	--	--	0 .00	65 1.07	--	22 .62	--	--	14.0	174F				
		3																				
08/26/75 1000	5001 5050		8.3 94	72 22	F C	8.0	211	--	--	--	0 .00	69 1.13	--	23 .65	--	--	14.0	164F				
		3																				
09/02/75 1550	5001 5050		10.2 120	75 24	F C	8.5	230	--	--	--	1.0 .03	72 1.18	--	21 .59	--	--	15.0	114F				
		3																				
09/16/75 1610	5001 5050		9.5 106	70 21	F C	8.2	204	--	--	--	0 .00	62 1.34	--	15 .42	--	--	17.0	114F				
		3																				
89 D 802.6 147.6 SHERMAN LAKE NEAR ANTIPOCH																						
10/08/74 1020	5001 5050		8.2 88	66 19	F C	7.8	186	--	--	--	0 .00	64 1.05	--	17 .48	--	--	14.0	174F				
		3																				
10/22/74 1045	5001 5050		8.3 87	64 18	F C	7.6	160	--	--	--	0 .00	54 .89	--	14 .39	--	--	--	144F				
		3																				
11/20/74 0935	5001 5050		8.7 84	57 14	F C	7.7	184	--	--	--	0 .00	58 .95	--	17 .48	--	--	15.8	124F				
		3																				
12/10/74 1325	5001 5050		9.5 84	50 10	F C	7.6	148	--	--	--	0 .00	52 .85	--	11 .31	--	--	16.8	204F				
		3																				
01/07/75 1240	5001 5050		12.1 99	45 7	F C	7.6	235	--	--	--	0 .00	60 .98	--	25 .71	--	--	18.4	144F				
		3																				
02/05/75 1145	5001 5050		10.8 93	48 9	F C	7.2	294	--	--	--	--	--	--	47 1.33	--	--	18.4	184F				
		3																				
03/19/75 0600	5001 5050		10.1 91	52 11	F C	7.6	197	--	--	--	0 .00	76 1.25	--	11 .31	--	--	18.6	484F				
		3																				
04/02/75 0835	5001 5050		10.0 90	52 11	F C	7.7	149	--	--	--	0 .00	68 1.11	--	6.6 .19	--	--	19.0	664F				
		3																				
04/22/75 1340	5001 5050		9.5 92	57 14	F C	7.9	180	--	--	--	0 .00	71 1.16	--	10 .28	--	--	16.0	264F				
		3																				
05/07/75 1420	5001 5050		9.7 98	61 16	F C	7.8	141	--	--	--	0 .00	60 .98	--	7.4 .21	--	--	15.0	234F				
		3																				
05/21/75 1335	5001 5050		9.4 97	63 17	F C	8.1	144	--	--	--	0 .00	58 .95	--	8.7 .25	--	--	14.0	234F				
		3																				
06/04/75 1300	5001 5050		8.8 98	70 21	F C	7.8	158	--	--	--	0 .00	66 1.08	--	9.4 .27	--	--	15.0	164F				
		3																				
06/18/75 1220	5001 5050		8.6 94	68 20	F C	7.8	140	--	--	--	0 .00	50 .82	--	9.9 .26	--	--	13.0	224F				
		3																				

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	Q.M. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3		8	F	TDS	TH
																		SUM	NCH
89 D 802.6 147.6 SHERMAN LAKE NEAR ANTIOCH																			
										CONTINUED									
07/02/75	5001			8.7	68 F	0.0	159	--	--	0	62	--	13	--	--	--	--		25AF
1110	5050			95	20 C					.00	1.02		.37	--	--	--	14.0		
07/16/75	5001			8.0	70 F	7.6	425	--	--	0	61	--	85	--	--	--	--		23AF
1050	5050			89	21 C					.00	1.00		2.40	--	--	--	14.0		
08/13/75	5001			6.2	68 F	0.0	870	--	--	0	67	--	219	--	--	--	--		32AF
0930	5050			90	20 C					.00	1.10		6.18	--	--	--	16.0		
08/26/75	5001			6.1	70 F	7.9	632	--	--	0	71	--	186	--	--	--	--		31AF
0720	5050			90	21 C					.00	1.18		5.25	--	--	--	15.0		
08/02/75	5001			6.0	72 F	7.9	498	--	--	0	74	--	90	--	--	--	--		23AF
1400	5050			91	22 C					.00	1.21		2.79	--	--	--	16.0		
09/16/75	5001			6.3	68 F	0.0	416	--	--	0	85	--	74	--	--	--	--		20AF
1410	5050			91	20 C					.00	1.39		2.09	--	--	--	14.0		
89 D 802.9 132.0 SAN JOAQUIN RIVER NEAR MOUTH OF MIDDLE RIVER																			
10/01/74	5001			7.9	68 F	7.6	208	--	--	0	80	--	20	--	--	--	--		13AF
0800	5050			86	20 C					.00	1.31		.56	--	--	--	13.8		
10/16/74	5001			7.8	64 F	7.6	161	--	--	0	56	--	15	--	--	--	--		11AF
0700	5050			82	18 C					.00	.92		.42	--	--	--	15.0		
11/06/74	5001			6.1	59 F	7.4	219	--	--	0	72	--	24	--	--	--	--		9AF
1230	5050			80	15 C					.00	1.18		.68	--	--	--	12.5		
11/18/74	5001			6.2	57 F	7.7	210	--	--	0	60	--	23	--	--	--	--		10AF
1030	5050			79	14 C					.00	.98		.65	--	--	--	14.0		
12/17/74	5001			9.1	50 F	7.2	253	--	--	0	--	--	26	--	--	--	--		10AF
0905	5050			80	10 C								.73	--	--	--	15.4		
02/03/75	5001			11.5	46 F	7.3	225	--	--	0	82	--	19	--	--	--	--		11AF
1130	5050			97	8 C					.00	1.34		.54	--	--	--	18.8		
89 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT																			
10/08/74	5001			8.6	66 F	8.0	155	--	--	0	84	--	11	--	--	--	--		13AF
1148	5050			92	19 C					.00	1.05		.31	--	--	--	14.2		
10/22/74	5001			8.4	64 F	7.7	148	--	--	0	54	--	10	--	--	--	--		10AF
1210	5050			86	18 C					.00	.89		.28	--	--	--	--		
11/20/74	5001			9.1	55 F	7.7	177	--	--	0	58	--	17	--	--	--	--		10AF
1100	5050			86	13 C					.00	.95		.46	--	--	--	16.4		
12/10/74	5001			9.6	52 F	7.6	176	--	--	0	56	--	16	--	--	--	--		11AF
1300	5050			87	11 C					.00	.92		.45	--	--	--	--		
01/07/75	5001			11.0	45 F	7.7	230	--	--	0	60	--	22	--	--	--	--		10AF
1420	5050			90	7 C					.00	.96		.62	--	--	--	18.0		
02/05/75	5001			10.8	46 F	7.4	223	--	--	0	--	--	24	--	--	--	--		13AF
1330	5050			91	8 C								.68	--	--	--	16.8		
03/19/75	5001			9.7	52 F	7.6	230	--	--	0	71	--	18	--	--	--	--		52AF
1010	5050			86	11 C					.00	1.16		.51	--	--	--	16.2		
04/02/75	5001			10.3	52 F	7.7	183	--	--	0	65	--	14	--	--	--	--		113
1029	5050			93	11 C					.00	1.07		.39	--	--	--	17.0		
04/22/75	5001			9.8	57 F	7.6	171	--	--	0	67	--	9.7	--	--	--	--		108
1540	5050			95	14 C					.00	1.10		.27	--	--	--	16.0		
05/07/75	5001			10.0	61 F	8.0	143	--	--	0	59	--	7.4	--	--	--	--		79
1550	5050			101	16 C					.00	.97		.21	--	--	--	14.0		
05/21/75	5001			9.3	63 F	8.0	134	--	--	0	56	--	7.5	--	--	--	--		92
1500	5050			96	17 C					.00	.92		.21	--	--	--	15.0		
06/04/75	5001			8.7	70 F	7.9	161	--	--	0	62	--	11	--	--	--	--		16AF
1420	5050			97	21 C					.00	1.02		.31	--	--	--	13.0		
08/18/75	5001			8.5	68 F	6.0	146	--	--	0	56	--	24	--	--	--	--		88
1345	5050			93	20 C					.00	.92		.68	--	--	--	13.0		
07/02/75	5001			8.5	66 F	7.6	149	--	--	0	58	--	11	--	--	--	--		94
1245	5050			93	20 C					.00	.95		.31	--	--	--	15.0		

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

TIME	SAMPLER LAB	D.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY		MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER				TURB ID			
					PN	EC	CA	MG	NA	K	CO3	PERCENT MG3	504	CL	VALUE MG3	0	FI02	Y03 SUM	TM MCM				
89 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT																			CONTINUED				
07/16/75 1215	5001 5050		84.72 95.22	F C	7.9	174	--	--	--	--	0.59 .00	14.97 1.39	--	--	--	--	14.0	100	16A				
		3																					
08/13/75 1100	5001 5050		84.72 91.22	F C	8.0	357	--	--	--	--	0.66 .00	63.1.08 1.78	--	--	--	--	14.0	213	10A				
		3																					
08/26/75 0935	5001 5050		84.72 93.22	F C	7.8	342	--	--	--	--	0.68 .00	57.1.61 1.61	--	--	--	--	13.0	183	17A				
		3																					
09/02/75 1530	5001 5050		84.72 93.22	F C	8.0	270	--	--	--	--	0.73 .00	39.1.20 1.10	--	--	--	--	14.0	150	13A				
		3																					
09/16/75 1540	5001 5050		84.68 91.20	F C	8.0	246	--	--	--	--	0.83 .00	24.1.36 1.68	--	--	--	--	16.0	130	12A				
		3																					
89 D 803.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO																							
10/08/74 1000	5001 5050		84.66 88.19	F C	7.7	175	--	--	--	--	0.62 .00	16.1.02 1.45	--	--	--	--	14.4	104	17A				
		3																					
10/22/74 1015	5001 5050		84.64 84.18	F C	7.7	189	--	--	--	--	0.56 .00	20.1.92 1.56	--	--	--	--	--	117	15A				
		3																					
11/20/74 0900	5001 5050		94.55 85.13	F C	7.7	152	--	--	--	--	0.58 .00	12.1.95 1.34	--	--	--	--	17.4	108	11A				
		3																					
12/10/74 1305	5001 5050		94.52 87.11	F C	7.6	145	--	--	--	--	0.52 .00	94.1.05 1.25	--	--	--	--	16.8	85	20A				
		3																					
01/07/75 1215	5001 5050		114.45 90.70	F C	7.2	344	--	--	--	--	0.52 .00	57.1.95 1.61	--	--	--	--	16.4	196	17A				
		3																					
02/05/75 1120	5001 5050		104.46 92.8	F C	7.3	257	--	--	--	--	--	--	--	--	--	--	35.99 18.8	150	17A				
		3																					
03/19/75 0730	5001 5050		104.52 90.11	F C	7.6	201	--	--	--	--	0.78 .00	12.1.28 1.34	--	--	--	--	18.4	127	46A				
		3																					
04/02/75 0800	5001 5050		94.52 84.11	F C	7.9	146	--	--	--	--	0.88 .00	66.1.11 1.19	--	--	--	--	18.0	102	64A				
		3																					
04/22/75 1305	5001 5050		94.57 96.14	F C	7.9	174	--	--	--	--	0.72 .00	97.1.18 1.27	--	--	--	--	20.0	105	23A				
		3																					
05/07/75 1345	5001 5050		94.59 93.15	F C	7.8	146	--	--	--	--	0.62 .00	65.1.02 1.18	--	--	--	--	14.0	78	22A				
		3																					
05/21/75 1300	5001 5050		94.63 95.17	F C	8.0	139	--	--	--	--	0.59 .00	66.1.97 1.19	--	--	--	--	15.0	86	20A				
		3																					
06/04/75 1235	5001 5050		84.68 96.26	F C	7.9	163	--	--	--	--	0.64 .00	11.1.05 1.05	--	--	--	--	13.0	96	16A				
		3																					
06/18/75 1145	5001 5050		84.68 92.20	F C	7.8	132	--	--	--	--	0.50 .00	94.1.82 1.27	--	--	--	--	13.0	86	21A				
		3																					
07/02/75 1040	5001 5050		85.68 93.20	F C	7.9	168	--	--	--	--	0.59 .00	17.1.97 1.48	--	--	--	--	14.0	106	24A				
		3																					
07/16/75 1015	5001 5050		7.7 86.21	F C	7.8	541	--	--	--	--	0.60 .00	60.1.98 3.33	--	--	--	--	12.0	304	23A				
		3																					
08/13/75 0915	5001 5050		84.70 90.21	F C	8.0	1750	--	--	--	--	0.68 .00	68.1.11 13.31	--	--	--	--	15.0	1040	34A				
		3																					
08/26/75 0650	5001 5050		84.70 91.21	F C	7.9	912	--	--	--	--	--	--	--	--	--	--	224.6.32 15.0	514	33A				
		3																					
09/02/75 1345	5001 5050		84.72 91.22	F C	7.9	190	--	--	--	--	0.76 .00	76.1.25 1.18	--	--	--	--	16.0	174	20A				
		3																					
09/16/75 1420	5001 5050		84.68 95.20	F C	8.0	354	--	--	--	--	0.84 .00	84.1.38 1.58	--	--	--	--	16.0	209	19A				
		3																					
89 D 804.7 134.0 SAN JOAQUIN RIVER AT POTATO POINT																							
10/08/74 1220	5001 5050		85.64 89.18	F C	7.7	144	--	--	--	--	0.58 .00	58.1.95 1.27	--	--	--	--	15.0	90	10A				
		3																					
10/22/74 1250	5001 5050		84.63 84.17	F C	7.5	132	--	--	--	--	0.52 .00	52.1.85 1.23	--	--	--	--	--	86	9A				
		3																					

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	0.M. 0 DEPTH	00 SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	8	F	TO5 SUM	TM NCH	TURB SAR
89 D 804.7 134.0 SAN JOAQUIN RIVER AT POTATO POINT																				
11/20/74 1140	5101 5150		8.8 83	55 13	F	7.6	169	--	--	--	0 .00	58 .95	--	15 .42	--	--	--	101		94F
3																				
12/10/74 1550	5101 5150		9.5 84	50 10	F C	7.6	171	--	--	--	0 .00	54 .89	--	12 .34	--	--	--	102		154F
3																				
01/07/75 1510	5101 5150		11.2 92	45 7	F C	7.6	193	--	--	--	0 .00	60 .98	--	14 .39	--	--	18.0	121		124F
3																				
02/05/75 1415	5101 5150		11.0 93	46 8	F C	7.3	186	--	--	--	--	--	--	13 .37	--	--	18.6	110		214F
3																				
03/19/75 1050	5101 5150		9.5 86	52 11	F C	7.6	232	--	--	--	0 .00	72 1.18	--	21 .59	--	--	17.4	138		334F
3																				
04/02/75 1125	5101 5150		10.2 94	54 12	F C	7.7	143	--	--	--	0 .00	61 1.00	--	8.0 .23	--	--	16.0	92		464F
3																				
04/22/75 1624	5101 5150		9.9 96	57 14	F C	7.8	160	--	--	--	0 .00	64 1.05	--	9.2 .26	--	--	19.0	101		174F
3																				
05/07/75 1630	5101 5150		9.6 95	59 15	F C	7.7	122	--	--	--	0 .00	53 .87	--	4.5 .13	--	--	14.0	70		144F
3																				
05/21/75 1540	5101 5150		8.9 92	63 17	F C	7.8	143	--	--	--	0 .00	56 .92	--	11 .31	--	--	14.0	88		164F
3																				
06/04/75 1455	5101 5150		8.0 89	70 21	F C	7.7	161	--	--	--	0 .00	58 .95	--	12 .34	--	--	13.0	97		164F
3																				
06/18/75 1425	5101 5150		7.9 88	70 21	F C	7.6	137	--	--	--	0 .00	53 .87	--	12 .34	--	--	13.0	80		174F
3																				
07/02/75 1330	5101 5150		8.2 91	70 21	F C	7.7	145	--	--	--	0 .00	60 .98	--	9.9 .28	--	--	16.0	96		174F
3																				
07/16/75 1255	5101 5150		7.7 89	73 23	F C	7.7	149	--	--	--	0 .00	59 .97	--	9.0 .25	--	--	16.0	93		134F
3																				
08/13/75 1140	5101 5150		9.1 91	72 22	F C	7.9	152	--	--	--	0 .00	65 1.07	--	9.4 .27	--	--	14.0	94		164F
3																				
08/26/75 1015	5101 5150		7.8 89	72 22	F C	7.8	169	--	--	--	0 .00	84 1.38	--	10 .28	--	--	15.0	101		114F
3																				
09/02/75 1615	5101 5150		8.2 93	72 22	F C	7.8	160	--	--	--	0 .00	76 1.25	--	9.4 .27	--	--	15.0	99		114F
3																				
09/16/75 1650	5101 5150		8.5 93	66 20	F C	7.9	188	--	--	--	0 .00	84 1.38	--	11 .31	--	--	17.0	98		94F
3																				
89 D 805.1 124.1 WHITE SLOUGH AT CONHEJA FERRY (SITE)																				
10/02/74 0715	5101 5150		7.8 84	66 19	F C	7.3	112	--	--	--	0 .00	58 .95	--	8.0 .23	--	--	15.2	104F		
3																				
10/14/74 0705	5101 5150		8.4 95	61 16	F C	7.1	77	--	--	--	0 .00	54 .89	--	5.7 .16	--	--	16.8	104F		
3																				
11/04/74 1140	5101 5150		8.3 81	57 14	F C	7.2	112	--	--	--	0 .00	52 .95	--	8.0 .23	--	--	15.6	74F		
3																				
11/18/74 0955	5101 5150		8.7 92	55 13	F C	7.3	95	--	--	--	0 .00	50 .82	--	9.0 .25	--	--	17.6	84F		
3																				
12/17/74 0930	5101 5150		9.7 84	48 9	F C	7.3	153	--	--	--	0 .00	58 .95	--	13 .37	--	--	18.0	92F		
3																				
01/21/75 1250	5101 5150		10.7 94	46 8	F C	7.3	195	--	--	--	0 .00	41 .87	--	17 .48	--	--	21.6	104F		
3																				
02/03/75 1200	5101 5150		11.2 94	46 8	F C		200	--	--	--	--	--	--	18 .51	--	--	21.6	154F		
3																				
89 D 805.1 144.3 SACRAMENTO RIVER AT EWMATON																				
10/08/74 1040	5101 5150		8.7 91	64 18	F C	7.8	148	--	--	--	0 .00	80 .98	--	9.5 .27	--	--	14.8	78		164F
3																				
10/22/74 1110	5101 5150		8.7 94	63 17	F C	7.6	135	--	--	--	0 .00	52 .85	--	9.0 .25	--	--	--	87		124F
3																				

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER L#B	Q.M. Q DEPTH	00 SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER							
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TW NCH	TURB SAR	
99 0 805.1 144.3 SACRAMENTO RIVER AT ENMATON																			CONTINUED			
11/20/74 0955	5001 5050	3	9.4 96	55 13	F C	7.7 141	--	--	--	--	0 .00	56 .92	--	10 .28	--	--	--	17.4	91		104F	
12/10/74 1350	5001 5050		3	9.6 85	50 10	F C	7.6 133	--	--	--	--	0 .00	50 .62	--	7.1 .20	--	--	--	16.6	81		224F
01/07/75 1305	5001 5050	3		10.8 89	45 7	F C	7.6 191	--	--	--	--	0 .00	60 .98	--	13 .37	--	--	--	17.4	115		154F
02/05/75 1220	5001 5050		3	10.8 91	46 8	F C	7.3 174	--	--	--	--	--	--	--	11 .31	--	--	--	16.6	97		394F
03/19/75 0825	5001 5050	3		10.2 92	52 11	F C	7.6 189	--	--	--	--	0 .00	74 1.21	--	10 .28	--	--	--	18.0	109		404F
14/02/75 0905	5001 5050		3	10.1 91	52 11	F C	7.8 149	--	--	--	--	0 .00	71 1.16	--	6.6 .19	--	--	--	17.0	90		664F
04/22/75 1415	5001 5050	3		9.8 95	57 14	F C	7.9 172	--	--	--	--	0 .00	73 1.20	--	7.8 .22	--	--	--	15.0	103		244F
05/07/75 1440	5001 5050		3	9.6 95	50 15	F C	7.7 131	--	--	--	--	0 .00	57 .93	--	4.3 .12	--	--	--	14.0	62		224F
05/21/75 1355	5001 5050	3		9.2 95	63 17	F C	7.9 138	--	--	--	--	0 .00	60 .98	--	8.5 .24	--	--	--	16.0	96		184F
08/04/75 1320	5001 5050		3	8.6 94	68 20	F C	7.9 155	--	--	--	--	0 .00	64 1.05	--	9.0 .25	--	--	--	14.0	92		164F
08/18/75 1240	5001 5050	3		8.6 94	68 20	F C	7.7 128	--	--	--	--	0 .00	54 .89	--	6.6 .19	--	--	--	13.0	79		174F
07/02/75 1135	5001 5050		3	8.8 94	66 19	F C	7.9 150	--	--	--	--	0 .00	64 1.05	--	10 .28	--	--	--	15.0	98		184F
07/16/75 1110	5001 5050	3		8.2 93	72 22	F C	8.0 165	--	--	--	--	0 .00	62 1.02	--	12 .34	--	--	--	15.0	97		174F
08/13/75 0955	5001 5050		3	8.2 91	70 21	F C	8.0 238	--	--	--	--	0 .00	66 1.08	--	32 .90	--	--	--	16.0	140		224F
08/26/75 0750	5001 5050	3		8.3 92	70 21	F C	8.0 240	--	--	--	--	0 .00	74 1.21	--	28 .79	--	--	--	15.0	147		194F
09/02/75 1420	5001 5050		3	8.5 96	72 22	F C	7.9 240	--	--	--	--	0 .00	76 1.25	--	30 .85	--	--	--	16.0	131		164F
09/16/75 1440	5001 5050	3		8.8 96	68 20	F C	8.0 238	--	--	--	--	0 .00	86 1.41	--	24 .68	--	--	--	17.0	139		134F
99 0 805.8 144.1 SAN JOAQUIN RIVER AT TWITCHELL ISLAND																						
10/08/74 1300	5001 5050	3	8.8 94	66 19	F C	8.0 151	--	--	--	--	0 .00	60 .98	--	10 .28	--	--	--	14.4	88		104F	
10/22/74 1325	5001 5050		3	8.7 90	63 17	F C	7.7 132	--	--	--	--	0 .00	52 .85	--	8.0 .23	--	--	--		84		94F
11/20/74 1225	5001 5050	3		9.0 85	55 13	F C	7.7 162	--	--	--	--	0 .00	56 .92	--	12 .34	--	--	--	17.0	106		94F
12/10/74 1850	5001 5050		3	9.8 87	50 10	F C	7.6 154	--	--	--	--	0 .00	52 .85	--	9.4 .27	--	--	--	16.6	93		164F
01/07/75 1550	5001 5050	3		11.3 93	45 7	F C	7.6 185	--	--	--	--	0 .00	60 .98	--	12 .34	--	--	--	17.6	122		134F
02/05/75 1500	5001 5050		3	11.0 93	46 8	F C	7.3 193	--	--	--	--	--	--	--	14 .39	--	--	--	19.2	123		214F
03/19/75 1125	5001 5050	3		9.7 88	52 11	F C	7.6 218	--	--	--	--	0 .00	71 1.16	--	17 .48	--	--	--	18.0	131		484F
04/02/75 1200	5001 5050		3	10.2 92	52 11	F C	7.7 153	--	--	--	--	0 .00	62 1.02	--	9.9 .28	--	--	--	16.0	98		504F
04/22/75 1655	5001 5050	3		10.0 97	57 14	F C	7.9 162	--	--	--	--	0 .00	66 1.08	--	9.2 .26	--	--	--	16.0	109		184F
05/07/75 1700	5001 5050		3	9.9 98	50 15	F C	7.8 134	--	--	--	--	0 .00	56 .92	--	5.9 .17	--	--	--	15.0	74		144F

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN								MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER							
						CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	PERCENT REACTANCE VALUE	B	F	T05 SUM	TH NCH	TURB SAR					
R9 0 805.8 140.1 SAN JOAQUIN RIVER AT TWITCHMELL ISLAND																					CONTINUE0				
05/21/75 1610	SJ01 SJ50	3	9.0 93	63 17	F C	7.9	132	--	--	--	0 .00	56 .92	--	8.5 .24	--	--	14.0	82	16AF						
06/04/75 1520	SJ01 SJ50		8.5 95	70 21	F C	7.8	156	--	--	--	0 .00	61 1.00	--	11 .31	--	--	13.0	96	14AF						
06/18/75 1500	SJ01 SJ50	3	8.4 92	68 20	F C	7.4	139	--	--	--	0 .00	50 .82	--	11 .31	--	--	14.0	92	17AF						
07/02/75 1405	SJ01 SJ50		8.6 94	68 20	F C	7.8	148	--	--	--	0 .00	58 .95	--	9.9 .28	--	--	15.0	105	17AF						
07/16/75 1400	SJ01 SJ50	3	8.2 93	72 22	F C	7.9	157	--	--	--	0 .00	60 .98	--	10 .28	--	--	15.0	93	14AF						
08/13/75 1210	SJ01 SJ50		8.1 92	72 22	F C	7.9	225	--	--	--	0 .00	65 1.07	--	28 .79	--	--	15.0	125	16AF						
08/26/75 1050	SJ01 SJ50	3	8.4 95	72 22	F C	7.9	231	--	--	--	0 .00	69 1.13	--	27 .76	--	--	16.0	136	16AF						
09/02/75 1645	SJ01 SJ50		8.6 98	72 22	F C	7.9	233	--	--	--	0 .00	74 1.21	--	28 .79	--	--	14.0	126	14AF						
09/16/75 1720	SJ01 SJ50	3	8.9 97	68 20	F C	8.0	203	--	--	--	0 .00	83 1.36	--	16 .45	--	--	16.0	109	10AF						
R9 0 805.9 135.2 SAN JOAQUIN RIVER NEAR SAN ANTONIO LANDING																									
10/02/74 1000	SJ01 SJ50	3	8.4 90	66 19	F C	7.5	152	--	--	--	0 .00	60 .98	--	10 .28	--	--	15.0	94	12AF						
10/08/74 1230	SJ01 SJ50		8.5 89	64 18	F C	7.7	140	--	--	--	0 .00	56 .92	--	9.0 .25	--	--	15.0	87	9AF						
10/17/74 0950	SJ01 SJ50	3	8.3 87	64 18	F C	7.5	136	--	--	--	0 .00	54 .89	--	9.0 .25	--	--	15.6	90	11AF						
10/22/74 1305	SJ01 SJ50		8.9 92	63 17	F C	7.5	127	--	--	--	0 .00	52 .85	--	7.1 .20	--	--	16.0	84	10AF						
11/07/74 1415	SJ01 SJ50	3	8.4 89	57 14	F C	7.5	177	--	--	--	0 .00	58 .95	--	16 .45	--	--	16.4	112	8AF						
11/19/74 1120	SJ01 SJ50		9.3 88	55 13	F C	7.6	156	--	--	--	0 .00	56 .92	--	11 .31	--	--	17.2	99	9AF						
11/20/74 1200	SJ01 SJ50	3	9.0 85	55 13	F C	7.6	155	--	--	--	0 .00	56 .92	--	12 .34	--	--	16.8	96	8AF						
12/10/74 1610	SJ01 SJ50		9.6 85	51 11	F C	7.6	173	--	--	--	0 .00	54 .89	--	12 .34	--	--	--	105	15AF						
01/07/75 1530	SJ01 SJ50	3	11.4 90	45 7	F C	7.5	191	--	--	--	--	--	--	13 .37	--	--	17.8	114	15AF						
02/04/75 1325	SJ01 SJ50		11.2 94	46 8	F C	7.4	203	--	--	--	0 .00	78 1.28	--	13 .37	--	--	19.0	114	11AF						
02/05/75 1440	SJ01 SJ50	3	11.0 93	46 8	F C	7.2	183	--	--	--	--	--	--	11 .31	--	--	18.6	110	15AF						
R4 D 807.6 129.7 HOKELUMNE RIVER, SOUTH FORK, BELOW SYCAMORE SLOUGH																									
10/02/74 0820	SJ01 SJ50	3	8.3 89	66 19	F C	7.3	114	--	--	--	0 .00	46 .75	--	7.1 .20	--	--	13.8	84F							
10/17/74 0810	SJ01 SJ50		8.3 85	63 17	F C	7.4	106	--	--	--	0 .00	46 .75	--	6.6 .19	--	--	15.2	94F							
11/07/74 1245	SJ01 SJ50	3	9.2 85	55 13	F C	7.4	134	--	--	--	0 .00	54 .89	--	7.1 .20	--	--	16.8	84F							
11/19/74 0950	SJ01 SJ50		9.4 89	55 13	F C	7.5	120	--	--	--	0 .00	52 .85	--	7.1 .20	--	--	18.2	94F							
02/04/75 1145	SJ01 SJ50	3	11.2 94	46 8	F C	7.4	176	--	--	--	0 .00	80 1.31	--	9.4 .27	--	--	18.0	124F							
03/18/75 0800	SJ01 SJ50		9.4 87	51 11	F C	7.2		--	--	--	0 .00	66 1.08	--	15 .42	--	--	17.6	444F							

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	Q.M. G DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	PERCENT HCO3	SO4	CL	NO3	REACTANCE VALUE	B	F	TDS SUM	TH NCH	TURB SAR
RQ D 807.6 129.7 MOKELENE RIVER, SOUTH FORK, BELOW SYCAMORE SLOUGH CONTINUED																				
04/01/75 0810	5001 SUSO		8.9 79	50 10	F 7.8 C	122	--	--	--	0	57	--	7.1	--	--	--	--	--	--	60AF
		3								.00	.93	--	.20	--	--	--	17.0			
04/16/75 0730	5001 SUSO		9.6 91	55 13	F 7.6 C	137	--	--	--	--	--	--	6.3	--	--	--	--	--	--	18AF
		3											.18	--	--	--	17.0			
05/01/75 0840	5001 SUSO		9.6 95	59 15	F 7.7 C	106	--	--	--	0	49	--	3.6	--	--	--	--	--	--	19AF
		3								.00	.88	--	.10	--	--	--	15.0			
05/15/75 0720	5001 SUSO		9.6 91	61 16	F 7.8 C	110	--	--	--	0	56	--	3.9	--	--	--	--	--	--	15AF
		3								.00	.92	--	.11	--	--	--	16.0			
06/03/75 1245	5001 SUSO		8.2 90	68 26	F 7.5 C	83	--	--	--	0	34	--	6.1	--	--	--	--	--	--	12AF
		3								.00	.56	--	.17	--	--	--	13.0			
06/17/75 1210	5001 SUSO		8.2 90	66 26	F 7.6 C	107	--	--	--	0	48	--	6.6	--	--	--	--	--	--	18AF
		3								.00	.79	--	.19	--	--	--	14.0			
07/01/75 1150	5001 SUSO		8.2 90	68 26	F 7.6 C	140	--	--	--	0	50	--	9.4	--	--	--	--	--	--	16AF
		3								.00	.92	--	.27	--	--	--	14.0			
07/15/75 1035	5001 SUSO		7.7 87	72 22	F 7.7 C	150	--	--	--	0	60	--	9.0	--	--	--	--	--	--	18AF
		3								.00	.98	--	.25	--	--	--	16.0			
08/12/75 0905	5001 SUSO		7.8 89	71.6 22.00	F 7.7 C	143	--	--	--	0	64	--	8.3	--	--	--	--	--	--	14AF
		3								.00	1.05	--	.23	--	--	--	15.0			
08/25/75 0745	5001 SUSO		7.3 83	72 22	F 7.6 C	177	--	--	--	0	76	--	10	--	--	--	--	--	--	11AF
		3								.00	1.25	--	.28	--	--	--	16.0			
09/11/75 0955	5001 SUSO		7.4 85	68 20	F 8.0 C	182	--	--	--	0	85	--	11	--	--	--	--	--	--	10AF
		3								.00	1.39	--	.31	--	--	--	17.0			
09/26/75 0940	5001 SUSO		7.4 82	71 21	F 7.6 C	160	--	--	--	--	--	--	9.4	--	--	--	--	--	--	10AF
		3											.27	--	--	--	16.0			
RQ D 808.5 128.0 SYCAMORE SLOUGH NEAR MOUTH																				
10/02/74 0800	5001 SUSO		7.6 83	68 20	F 7.5 C	137	--	--	--	0	58	--	9.0	--	--	--	--	--	--	8AF
		3								.00	.95	--	.25	--	--	--	13.2			
10/17/74 0745	5001 SUSO		8.3 89	66 19	F 7.6 C	123	--	--	--	0	54	--	8.0	--	--	--	--	--	--	11AF
		3								.00	.89	--	.23	--	--	--	13.0			
11/07/74 1220	5001 SUSO		8.3 81	57 14	F 7.6 C	111	--	--	--	0	46	--	7.1	--	--	--	--	--	--	10AF
		3								.00	.75	--	.20	--	--	--	12.8			
11/19/74 0930	5001 SUSO		8.2 79	55 13	F 7.5 C	111	--	--	--	0	46	--	6.6	--	--	--	--	--	--	11AF
		3								.00	.75	--	.19	--	--	--	14.2			
12/04/75 1120	5001 SUSO		11.5 97	46 6	F 7.3 C	177	--	--	--	0	73	--	11	--	--	--	--	--	--	12AF
		3								.00	1.20	--	.31	--	--	--	17.6			
03/18/75 0730	5001 SUSO		8.4 74	54 12	F 7.5 C	337	--	--	--	0	47	--	23	--	--	--	--	--	--	17AF
		3								.00	1.59	--	.65	--	--	--	19.4			
04/01/75 0750	5001 SUSO		7.7 76	52 11	F 7.9 C	264	--	--	--	0	115	--	21	--	--	--	--	--	--	19AF
		3								.00	1.88	--	.59	--	--	--	20.0			
04/16/75 0705	5001 SUSO		8.4 79	55 13	F 7.5 C	209	--	--	--	--	--	--	14	--	--	--	--	--	--	14AF
		3											.39	--	--	--	17.0			
05/01/75 0810	5001 SUSO		10.9 111	61 36	F 8.5 C	135	--	--	--	1.0	56	--	7.3	--	--	--	--	--	--	16AF
		3								.03	.92	--	.21	--	--	--	9.7			
05/15/75 0650	5001 SUSO		8.8 91	63 17	F 7.8 C	93	--	--	--	0	67	--	3.9	--	--	--	--	--	--	12AF
		3								.00	.81	--	.11	--	--	--	11.0			
06/03/75 1215	5001 SUSO		8.4 94	71 21	F 8.0 C	85	--	--	--	0	36	--	5.7	--	--	--	--	--	--	17AF
		3								.00	.59	--	.16	--	--	--	7.7			
06/17/75 1145	5001 SUSO		8.6 94	70 21	F 7.8 C	90	--	--	--	0	41	--	5.2	--	--	--	--	--	--	13AF
		3								.00	.87	--	.15	--	--	--	10.0			
07/01/75 1125	5001 SUSO		9.2 102	71 21	F 8.1 C	100	--	--	--	0	43	--	7.1	--	--	--	--	--	--	11AF
		3								.00	.70	--	.20	--	--	--	8.7			
07/15/75 1005	5001 SUSO		8.7 93	72 26	F 7.9 C	125	--	--	--	0	50	--	8.0	--	--	--	--	--	--	12AF
		3								.00	.92	--	.23	--	--	--	8.9			
08/12/75 0845	5001 SUSO		7.2 81	73.4 29.00	F 7.8 C	126	--	--	--	0	56	--	7.5	--	--	--	--	--	--	12AF
		3								.00	.92	--	.21	--	--	--	13.0			

MINERAL ANALYSES OF SURFACE WATER

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TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.P. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER							
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	8	F	TDS SUM	TH MCH	TURB SAR		
89 D 809.4 141.0 SACHAMENTO RIVER BELOW RIO VISTA BRIDGE						CONTINUED															
07/02/75 1200	5001 5050	3	8.7 95	68 21	F C	7.8	150	--	--	--	--	0 .00	66 1.08	--	9.0 .25	--	-- 17.0	86	14AF		
07/16/75 1135	5001 5050		8.3 94	72 22	F C	7.8	152	--	--	--	--	0 .00	63 1.03	--	7.1 1.20	--	-- 16.0	92	12AF		
08/13/75 1020	5001 5050	3	8.4 94	70 21	F C	7.9	149	--	--	--	--	0 .00	65 1.07	--	8.6 .24	--	-- 17.0	93	14AF		
08/26/75 0830	5001 5050		8.0 91	72 22	F C	7.8	169	--	--	--	--	0 .00	78 1.28	--	8.5 .24	--	-- 16.0	102	11AF		
09/02/75 1450	5001 5050	3	8.5 95	70 21	F C	7.9	198	--	--	--	--	0 .00	78 1.28	--	13 .37	--	-- 16.0	116	11AF		
09/16/75 1505	5001 5050		8.5 93	68 20	F C	7.9	197	--	--	--	--	0 .00	87 1.43	--	10 .28	--	-- 16.0	106	8AF		
89 D 814.5 133.2 SACHAMENTO RIVER NEAR RYDE																					
10/03/74 0740	5001 5050	3	8.2 84	63 17	F C	7.4	102	--	--	--	--	0 .00	52 .85	--	4.7 .13	--	-- 15.8		9AF		
10/17/74 0730	5001 5050		8.4 89	61 16	F C	7.4	100	--	--	--	--	0 .00	50 .82	--	5.7 .16	--	-- 16.8		8AF		
11/07/74 1245	5001 5050	3	9.7 92	55 13	F C	7.1	110	--	--	--	--	0 .00	68 1.11	--	4.7 .13	--	-- 19.0		8AF		
11/19/74 1035	5001 5050		10.7 95	55 13	F C	7.3	110	--	--	--	--	0 .00	54 .89	--	5.2 .15	--	-- 18.6		7AF		
12/18/74 1000	5001 5050	3	10.6 94	58 17	F C	7.5	119	--	--	--	--	0 .00	62 1.02	--	4.4 .12	--	-- 19.8		7AF		
01/22/75 1310	5001 5050		10.8 91	46 16	F C	7.5	160	--	--	--	--	0 .00	69 1.13	--	8.5 .24	--	-- 19.4		8AF		
02/04/75 1235	5001 5050	3	10.5 88	46 16	F C	7.5	116	--	--	--	--	0 .00	52 .85	--	6.6 .19	--	-- 16.0		140AF		
89 D 815.1 124.3 WICKELMUNE RIVER NEAR THORNTON																					
10/02/74 0625	5001 5050	3	8.5 89	64 18	F C	7.1	41	--	--	--	--	0 .00	40 .66	--	3.3 .09	--	-- 11.6	38	2AF		
10/16/74 0615	5001 5050		9.2 91	59 15	F C	6.7	38	--	--	--	--	0 .00	22 .36	--	3.3 .09	--	-- 14.4	26	3AF		
11/06/74 1050	5001 5050	3	11.4 11	57 14	F C	6.7	35	--	--	--	--	0 .00	16 .26	--	1.9 .05	--	-- 12.2	44	4AF		
11/18/74 0900	5001 5050		8.4 83	55 13	F C	7.1	42	--	--	--	--	0 .00	22 .36	--	1.9 .05	--	-- 12.8	41	5AF		
12/17/74 0835	5001 5050	3	10.5 91	48 14	F C	7.2	81	--	--	--	--	0 .00	38 .62	--	3.3 .09	--	-- 13.2	62	3AF		
01/21/75 1150	5001 5050		11.1 93	46 14	F C	7.1	99	--	--	--	--	0 .00	37 .61	--	5.2 .15	--	-- 15.0	65	6AF		
02/03/75 1045	5001 5050	3	10.3 87	48 14	F C		148	--	--	--	--	--	--	--	7.1 .20	--	-- 10.6	98	264AF		
03/18/75 1305	5001 5050		10.3 95	54 12	F C	7.3	130	--	--	--	--	0 .00	57 .93	--	3.8 .11	--	-- 16.2	80	27AF		
04/01/75 1440	5001 5050	3	10.4 96	54 12	F C	7.3	84	--	--	--	--	0 .00	37 .61	--	3.3 .09	--	-- 16.0	68	15AF		
04/18/74 0920	5001 5050		10.4 94	52 11	F C	7.2	66	--	--	--	--	0 .00	36 .59	--	1.9 .05	--	-- 11.0	37	6AF		
05/01/75 0900	5001 5050	3	10.7 94	55 13	F C	7.1	49	--	--	--	--	0 .00	22 .36	--	.8 .02	--	-- 11.0	49	4AF		
05/15/75 0730	5001 5050		9.4 97	59 15	F C	6.8	57	--	--	--	--	0 .00	29 .48	--	.3 .01	--	-- 10.0	47	11AF		
06/03/75 1250	5001 5050	3	9.5 92	66 14	F C	7.0	48	--	--	--	--	0 .00	21 .34	--	1.9 .05	--	-- 12.0	36	12AF		

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. DEPTH	NO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	MO3	SO4	CL	NO3	0	F	TDS SUM	TH NCH	TURB SAR
H9 0 815.3 126.3 MOKELUMNE RIVER NEAR THORNTON																				
											CONTINUED									
06/17/75	5:01		9.2	64	F	7.1	49	--	--	--	0	20	--	2.8	--	--	36		5AF	
1150	5:50		97	18	C						.00	.33	--	.08	--	10.0				
3																				
07/01/75	5:01		9.1	63	F	7.3	51	--	--	--	0	22	--	1.9	--	--	40		3AF	
1105	5:50		94	17	C						.00	.36	--	.05	--	11.0				
3																				
07/15/75	5:01		7.9	64	F	7.3	57	--	--	--	0	27	--	1.9	--	--	39		7AF	
1025	5:50		86	20	C						.00	.44	--	.05	--	12.0				
3																				
08/12/75	5:01		8.8	69.8F	6.3	51	--	--	--	--	--	--	--	2.8	--	--	36		5AF	
0905	5:50		98	21.0C										.08	--	10.0				
3																				
08/26/75	5:01		6.7	68	F	7.1	58	--	--	--	--	--	--	2.8	--	--	40		5AF	
1435	5:50		95	20	C									.08	--	11.0				
3																				
09/11/75	5:01		9.2	64	F	7.2	48	--	--	--	0	18	--	3.0	--	--	36		4AF	
0915	5:50		97	18	C						.00	.30	--	.11	--	12.0				
3																				
09/25/75	5:01		9.5	63	F	6.9	51	--	--	--	0	16	--	3.8	--	--	33		3AF	
0915	5:50		98	17	C						.00	.26	--	.11	--	11.0				
3																				
H9 0 820.7 132.7 SACRAMENTO RIVER AT GREENES LANDING																				
10/03/74	5:01		8.5	63	F	7.2	105	--	--	--	0	58	--	4.7	--	--	78		7AF	
0650	5:50		87	17	C						.00	.95	--	.13	--	15.8				
3																				
10/17/74	5:01		9.1	61	F	7.2	102	--	--	--	0	60	--	5.2	--	--	71		8AF	
0655	5:50		92	16	C						.00	.98	--	.15	--	17.0				
3																				
11/07/74	5:01		9.5	55	F	6.5	119	--	--	--	0	60	--	6.1	--	--	88		8AF	
1200	5:50		91	13	C						.00	.98	--	.17	--	16.2				
3																				
11/19/74	5:01		9.7	55	F	6.9	100	--	--	--	0	42	--	4.2	--	--	76		9AF	
0955	5:50		92	13	C						.00	.69	--	.12	--	18.8				
3																				
12/18/74	5:01		10.4	48	F	7.4	122	--	--	--	0	70	--	4.7	--	--	90		8AF	
0915	5:50		90	4	C						.00	1.15	--	.13	--	20.4				
3																				
12/18/74	5:50		10.5	51	F	7.3	125	10	6.3	8.6	--	0	66	7.9	3.4	.7	110	51	0	0.5
1300	5:50		93	14	C			.50	.52	.37	--	.00	1.04	.14	.10	.01	69			
3																				
01/15/75	5:50		11.1	47	F	7.2	132	12	6.1	9.0	--	0	67	4.2	6.3	.8	110	55	0	0.5
1345	5:50		93	14	C			.60	.50	.39	--	.00	1.10	.19	.18	.01	76			
3																				
01/22/75	5:01		10.4	46	F	7.5	202	--	--	--	0	79	--	12	--	--	120		8AF	
1225	5:50		91	8	C			--	--	--	.00	1.29	--	.34	--	19.0				
3																				
02/04/75	5:01		10.4	46	F	7.4	107	--	--	--	0	53	--	6.1	--	--	62		78AF	
1145	5:50		91	8	C			--	--	--	.00	.87	--	.17	--	12.2				
3																				
02/19/75	5:50		10.4	47.5F	7.2	126	11	6.2	7.2	--	0	64	10	5.9	.9	.00	94	53	67A	
1220	5:50		92	8.6C			.55	.51	.31	23	--	.00	1.05	.21	.17	.01	73	1	0.4	
3																				
03/18/75	5:01		10.4	55	F	7.6	161	--	--	--	0	67	--	5.7	--	--	85		52AF	
1345	5:50		100	13	C			--	--	--	.00	1.10	--	.16	--	10.8				
3																				
03/19/75	5:50		10.4	51	F	7.4	133	12	6.6	7.3	--	0	70	7.7	5.4	--	110	57	13A	
1100	5:50		95	11	C			.60	.54	.32	--	.00	1.15	.14	.15	.01	74	0	0.4	
3																				
04/01/75	5:01		10.5	54	F	7.5	133	--	--	--	0	60	--	4.7	--	--	94		80AF	
1525	5:50		97	12	C			--	--	--	.00	.98	--	.13	--	21.0				
3																				
04/16/75	5:50		10.1	55	F	7.3	133	11	6.4	8.2	--	0	64	4.9	5.0	.6	110	54	13A	
1200	5:50		94	13	C			.55	.53	.36	--	.00	1.05	.21	.14	.01	73	2	0.5	
3																				
04/18/75	5:01		10.4	54	F	7.3	139	--	--	--	0	62	--	4.4	--	--	81		33AF	
1655	5:50		97	12	C			--	--	--	.00	1.02	--	.12	--	19.0				
3																				
05/01/75	5:01		10.1	57	F	7.5	117	--	--	--	0	54	--	3.1	--	--	84		18AF	
0800	5:50		94	14	C			--	--	--	.00	.89	--	.09	--	15.0				
3																				
05/15/75	5:01		9.7	61	F	7.4	125	--	--	--	0	55	--	2.9	--	--	84		14AF	
1450	5:50		94	16	C			--	--	--	.00	.90	--	.08	--	15.0				
3																				
05/21/75	5:50		9.1	61.0F	7.4	122	10	5.4	8.8	--	0	58	4.7	5.6	--	.00	11	71	47	20A
1200	5:50		92	16.1C			.58	.44	.38	29	--	.00	.95	.20	.1		68	0	0.6	
3																				
06/03/75	5:01		4.7	66	F	7.5	142	--	--	--	0	36	--	6.1	--	--	77		9AF	
1105	5:50		43	10	C			--	--	--	.00	.92	--	.17	--	14.0				
3																				
06/17/75	5:01		9.4	66	F	7.6	110	--	--	--	0	52	--	4.2	--	--	71		9AF	
1610	5:50		94	10	C			--	--	--	.00	.85	--	.12	--	16.0				
3																				

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	00 SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS	TH	TURB
89 D 020.7 132.7 SACRAMENTO RIVER AT GREENES LANDING CONTINUED																				
06/16/75 1245	5150 5150		9.1 98	67.0F 14.4C	7.4 7.8	106 108	8.6 .43	4.5 .37	6.9 .30	-- --	0 .00	51 .04	2.8 .06	4.7 .13	-- --	.00 --	.1 --	69 53	40 0	6A 0.5
07/01/75 0955	5101 5150	3	8.4 90	66 F 19 C	7.8	152	--	--	--	--	0 .00	68 1.11	-- --	6.6 .19	-- --	-- 17.0	-- --	96		10AF
07/15/75 0915	5101 5150	3	8.1 90	70 F 21 C	7.8	138	--	--	--	--	0 .00	89 1.46	-- --	5.2 .15	-- --	-- 15.0	-- --	86		9AF
07/16/75 1230	5050 5150		9.6 108	71 F 22 C	7.5 7.8	117 127	9.7 .48	5.4 .44	7.2 .31	-- --	0 .00	80 .98	7.9 .16	5.0 .14	-- --	.10 --	.1 --	101 65	46 0	5A 0.5
08/12/75 1110	5101 5150	3	8.8 94	69.8F 21.0C	6.8	146	--	--	--	--	--	--	--	6.7 .19	-- --	-- 16.0	-- --	92		8AF
08/20/75 1200	5150 5050		8.0 87	68.0F 20.0C	7.3 7.6	144 168	12 .60	6.8 .56	11 .48	-- --	0 .00	76 1.25	9.0 .19	7.2 .20	.4 .01	.10 --	.1 --	90 84	56 0	9A 0.6
08/26/75 0650	5101 5150	3	8.4 92	68 F 20 C	7.3	164	--	--	--	--	--	--	--	8.5 .24	-- --	-- 16.0	-- --	104		9AF
09/11/75 0605	5101 5150	3	7.8 85	68 F 20 C	7.5	187	--	--	--	--	0 .00	68 1.11	-- --	9.4 .27	-- --	-- 18.0	-- --	110		12AF
09/17/75 1330	5150 3950		7.6 84	69 F 21 C	7.4 7.7	163 178	11 .55	8.4 .69	12 .52	-- --	0 .00	80 1.31	10 .21	8.2 .23	.5 .01	.00 --	.1 --	103 89	62 0	8A 0.7
09/25/75 0815	5101 5150	3	7.7 84	68 F 20 C	7.5	124	--	--	--	--	0 .00	68 .90	-- --	8.5 .24	-- --	-- 17.0	-- --	102		10AF
03 L 040.8 039.7 EAGLE LAKE NEAR SUSANVILLE																				
10/09/74 0935	5150		8.0 95	59.0F 15.0C	9.1	877	--	--	--	--	--	--	--	--	--	--	--	--		1AF
12/10/74 0940	5050		6.6 58	37.4F 3.0C	9.2	893	--	--	--	--	--	--	--	--	--	--	--	--		1AF
04/16/75 0900	5150		9.9 85	35.6F 2.0C	9.1		--	--	--	--	--	--	--	--	--	--	--	--		1AF
06/04/75 0930	5150		8.3 105	64.4F 18.0C	9.0	784	--	--	--	--	--	--	--	--	--	--	--	--		1AF
04 L 016.5 027.1 HONEY LAKE NEAR BUNTINGVILLE																				
01/08/75 1345	5150 5150		11.6 104	41.0F 5.0C	9.2	4590 4508	-- --	-- --	1070 46.55 97	-- --	154 5.13	985 16.14	-- --	623 17.57	-- --	.460 --	-- --	66 57.3	98A 57.3	
05/07/75 0910	5150 5150		9.2 97	52.7F 11.5C	9.1 9.1	4200	--	--	940 40.89 97	--	123 4.10	949 15.55	--	554 15.62	--	.460 --	-- --	57 54.2	360A 54.2	
07/15/75 1150	5150		7.9 95	64.4F 18.0C	9.3	5790	--	--	--	--	--	--	--	--	--	--	--	--		270AF
09/16/75 1210	5050 5150		8.4 116	77.0F 25.0C	9.6 9.3	7140 7040	--	--	1700 73.95 99	--	320 10.67	1430 23.44	--	940 26.51	--	7.90 --	-- --	51 103.6	132A 103.6	
04 1590.01 SUSAN RIVER NEAR LITCHFIELD																				
10/09/74 1045	5150	38E	10.5 121	59.9F 15.5C	8.1	403	--	--	--	--	--	--	--	--	--	--	--	--		6AF
11/06/74 1530	5150 5150	50E	12.3 125	50.0F 10.0C	8.3 8.3	176 402	--	--	47 2.04 49	--	0 .00	215 3.52	--	8.1 .23	--	.10 --	-- --	106 2.0	6A 2.0	
12/10/74 1110	5150	53E	12.2 107	39.2F 4.0C	8.3	352	--	--	--	--	--	--	--	--	--	--	--	--		6AF
01/13/75 1510	5150 5150	55E	11.1 102	42.8F 6.0C	8.2 8.3	395 397	--	--	46 2.00 48	--	0 .00	216 3.54	--	7.5 .21	--	.10 --	-- --	109 1.9	6A 1.9	
02/19/75 1215	5150	84E	10.1 88	39.2F 4.0C	8.0	384	--	--	--	--	--	--	--	--	--	--	--	--		26AF
03/19/75 1535	5150 5150	564E	10.1 94	46.4F 8.0C	7.9 7.8	164 169	--	--	16 .70 37	--	0 .00	90 1.48	--	4.2 .12	--	.00 --	-- --	60 250A	250A 0.9	
04/16/75 1130	5150	182E	9.9 93	44.6F 7.0C	8.1	232	--	--	--	--	--	--	--	--	--	--	--	--		16AF
05/07/75 0805	5150 5150	330E	9.2 91	48.2F 9.0C	7.8 7.8	172	--	--	14 .41 35	--	0 .00	96 1.57	--	3.1 .04	--	.00 --	-- --	56 0.8	16A 0.8	

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.W. DEPTH	DO SAT	TEMP	FIELD LABORATORY PM EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	PERCENT	REACTANCE	VALUE	B	F	TDS SUM	TH NCH	TURB 5AR		

04 1590.01 SUSAN RIVER NEAR LITCHFIELD CONTINUED																				
06/04/75 1110	5/50	447E	8.2 97	62.6F 17.0C	8.0 122	--	--	--	--	--	--	--	--	--	--	--	--	--	20AF	
07/15/75 1330	5/50	60E	9.5 117	66.2F 19.0C	8.2 454	--	--	--	--	--	--	--	--	--	--	--	--	--	4AF	
08/07/75 0945	5/50	107E	9.7 117	64.4F 18.0C	8.4 448	--	--	--	--	--	--	--	--	--	--	--	--	--	5AF	
09/16/75 1345	5/50	87E	10.7 144	74.3F 23.5C	8.3 491 8.3 490	--	--	60 2.61 51	--	0 .00	258 4.23	--	8.9 .25	--	.20	--	--	125	1A 2.3	
04 1600.00 SUSAN RIVER AT SUSANVILLE																				
10/09/74 1145	5/50	12	9.6 99	50.9F 10.5C	7.8 169	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
11/06/74 1430	5/50	1.42 14	11.9 110	42.8F 6.0C	7.6 159	--	--	--	--	--	--	--	--	--	--	--	--	--	2AF	
12/10/74 1200	5/50	1.48 17	13.2 117	35.6F 2.0C	7.9 164	--	--	--	--	--	--	--	--	--	--	--	--	--	2AF	
01/13/75 1430	5/50	1.59 20	12.6 102	33.8F 1.0C	8.2 157	--	--	--	--	--	--	--	--	--	--	--	--	--	2AF	
02/19/75 1300	5/50	4.2	11.6 97	35.6F 2.0C	7.9 145	--	--	--	--	--	--	--	--	--	--	--	--	--	4AF	
03/19/75 1635	5/50 5/50	3.67 390	16.2 97	30.2F 4.0C	7.2 72 7.4 75	--	--	3.2 114 17	--	0 .00	41 .67	--	1.9 .05	--	.00	--	--	35	50A 0.2	
04/16/75 1015	5/50	2.63 111	11.6 109	39.2F 4.0C	7.9 103	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
05/07/75 0715	5/50	3.38 275	11.3 98	36.5F 2.5C	7.4 85	--	--	--	--	--	--	--	--	--	--	--	--	--	5AF	
06/04/75 1210	5/50	3.65 432	8.7 100	54.0F 15.0C	7.6 59	--	--	--	--	--	--	--	--	--	--	--	--	--	7AF	
07/15/75 1235	5/50	1.96 46	8.4 100	62.6F 17.0C	8.3 89	--	--	--	--	--	--	--	--	--	--	--	--	--	10AF	
08/07/75 1050	5/50 5/50	2.40 93	8.7 104	62.6F 17.0C	7.7 63 7.5 61	--	--	2.3 .10 16	--	0 .00	35 .57	--	2.0 .09	--	.00	--	--	26	10A 0.2	
09/16/75 1420	5/50	2.18 67	8.1 99	64.4F 18.0C	8.1 76 8.3 76	--	--	2.8 .12 14	--	0 .00	.45 .74	--	.00 .00	--	.00	--	--	36	1A 0.2	
06 1705.00 LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION																				
11/02/74 1150	5/50	2.41 36	11.2 117	50.0F 10.0C	8.4 230	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
01/13/75 1230	5/50 5/50	2.70 2.4	10.5 97	41.0F 5.0C	7.4 276 8.3 285	--	--	19 .83 27	--	0 .00	108 2.75	--	3.4 .10	--	.00	--	--	111	1A 0.8	
03/20/75 0920	5/50 5/50	2.79 7.0	11.7 97	33.8F 1.0C	8.0 228 7.9 234	--	--	14 .61 24	--	0 .00	140 2.29	--	3.8 .11	--	.10	--	--	97	15A 0.6	
05/07/75 1030	5/50 5/50	3.10 34	9.1 106	53.6F 12.0C	8.1 185 8.3 186	--	--	9.0 .39 21	--	0 .00	104 1.77	--	.6 .02	--	.00	--	--	74	13A 0.5	
07/15/75 1018	5/50	2.30 1.8	8.9 101	57.2F 14.0C	8.2 285	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
09/16/75 1050	5/50	2.28 1.0	8.9 115	64.0F 2.0C	8.3 284	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
07 L 0804.9 007.5 LAKE TAMOE AT TAMOE KEYS PIER (S-11)																				
05/14/75 1024	5/50 5/50	9.5 104	49.1F 9.5C	7.4 79 94	--	--	--	--	--	--	--	--	1.5 .94	--	--	--	--	--	0.48A	
07 L 0850.3 007.3 LAKE TAMOE AT CAMP RICHMONSON - EDWARDS PIER (S-441)																				
05/14/75 0940	5/50 5/50	9.5 101	46.8F 8.2C	7.4 76 91	--	--	--	--	--	--	--	--	1.4 .04	--	--	--	--	--	0.16A	

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLE LAB	G.P. O DEPTH	00 SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN										MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	P	F	TDS SUM	TH NCH	TURB SAR						
67 L 857.0 954.0 2 LAKE TAMOE AT SUNF AND SANDS PIER (S-10)																										
05/14/75	5:50n			9.4	48.7F	7.4	85	--	--	--	--	--	--	1.6	--	--	--									
1105	5:50n			102	9.3C		89							.05	--	--	--									0.82A
67 L 857.6 957.1 LAKE TAMOE AT STATELINE - LAKESIDE MARINA PIER(S-13)																										
05/14/75	5:50n			9.8	48.9F	7.5	90	--	--	--	--	--	--	2.0	--	--	--									0.76A
1220	5:50n			107	9.4C		92							.06	--	--	--									
67 L 900.0 000.0 LAKE TAMOE - SOUTH CENTER (C-1)																										
05/14/75	5:50n			9.5	48.7F	7.7	90	--	--	--	--	--	--	1.6	--	--	--									0.38A
1120	5:50n			103	9.3C		94							.05	--	--	--									
67 L 900.4 956.9 LAKE TAMOE AT ZEPHYR COVE PIER (S-8)																										
05/14/75	5:50n			9.5	48.9F	7.4	90	--	--	--	--	--	--	1.4	--	--	--									0.48A
1310	5:50n			104	9.4C		93							.04	--	--	--									
67 L 900.9 006.8 2 LAKE TAMOE AT RUBICON BAY PIER (S-2)																										
05/14/75	5:50n			9.5	48.8F	7.4	79	--	--	--	--	--	--	1.6	--	--	--									0.58A
0840	5:50n			100	8.8C		93							.05	--	--	--									
67 L 905.3 956.4 LAKE TAMOE AT GLENHROOK BAY PIER (S-3)																										
05/14/75	5:50n			9.3	48.6F	7.5	96	--	--	--	--	--	--	2.4	--	--	--									0.81A
1150	5:50n			103	9.0C		102							.07	--	--	--									
67 L 907.8 004.2 LAKE TAMOE AT WARD CREEK PIER (S-11)																										
05/14/75	5:50n			9.5	43.9F	7.4	88	--	--	--	--	--	--	1.5	--	--	--									0.21A
0700	5:50n			97	8.6C		94							.04	--	--	--									
67 L 908.7 000.3 LAKE TAMOE - NORTH CENTER (C-2)																										
05/14/75	5:50n			9.5	47.1F	7.6	92	--	--	--	--	--	--	1.6	--	--	--									0.37A
0805	5:50n			101	9.4C		94							.05	--	--	--									
67 L 914.8 007.1 2 LAKE TAMOE AT US COAST GUARD PIER (S-5)																										
05/14/75	5:50n			9.4	44.2F	7.4	85	--	--	--	--	--	--	1.5	--	--	--									1.10A
0755	5:50n			101	8.8C		88							.04	--	--	--									
67 L 914.9 004.9 LAKE TAMOE AT CAMELLIAN BAY - SIERRA HOAT CO (S-14)																										
05/14/75	5:50n			9.5	44.0F	7.5	90	--	--	--	--	--	--	1.7	--	--	--									0.61A
0840	5:50n			102	8.9C		95							.05	--	--	--									
67 L 914.2 002.3 LAKE TAMOE AT KINGS WHARF PIER (S-7)																										
05/14/75	5:50n			9.4	47.5F	7.5	90	--	--	--	--	--	--	1.6	--	--	--									0.54A
0920	5:50n			102	8.6C		94							.05	--	--	--									
67 L 914.2 956.6 LAKE TAMOE AT KINGS CASTLE PIER (S-4)																										
05/14/75	5:50n			9.5	48.6F	7.5	86	--	--	--	--	--	--	1.4	--	--	--									0.53A
1020	5:50n			103	9.2C		94							.04	--	--	--									
67 1145.00 THUCKEE RIVER AT FAYAN																										
05/09/75	5:50n	5.31	9.5	42	F	7.3	88	8.8	1.0	4.5	--	0	45	--	2.5	--	--	66	34	44						
0830	5:50n	2310	9	6	C	7.7	88	.43	.25	.20	--	0.0	.74	--	.07	--	--				0	0.3				
								.49	.28	.23																
09/24/75	5:50n	3.13	8.5	55	F	7.4	80	8.6	2.6	4.2	--	0	45	--	1.0	--	--	62	32	04						
0830	5:50n	655	94	13	C	7.8	85	.43	.21	.18	--	0.0	.74	--	.03	--	--				0	0.3				
								.52	.26	.22																
67 3020.01 HURTON CREEK IN STAR HARBOR (T-4)																										
05/07/75	5:50n			13.4	37.8F	7.3	100	--	--	--	--	--	--	4.8	--	--	--									3.5A
1040	5:50n			97	3.2C		99							.14	--	--	--									
67 3055.01 ARBU CREEK NEAR MOUTH (T-5)																										
05/07/75	5:50n	4.41	10.7	37.2F	7.3	60	--	--	--	--	--	--	--	.0	--	--	--									0.87A
0937	5:50n			94	2.0C		54							.00	--	--	--									
67 3100.01 MADON CREEK NEAR MOUTH (T-10)																										
05/07/75	5:50n	1.78	10.7	35.8F	7.3	54	--	--	--	--	--	--	--	.0	--	--	--									0.23A
0905	5:50n			97	2.1C		54							.00	--	--	--									
67 3234.01 THIND CREEK NEAR MOUTH (T-6)																										
05/07/75	5:50n	2.38	9.9	43.3F	6.7	80	--	--	--	--	--	--	--	3.6	--	--	--									4.5A
1050	5:50n	840	101	6.3C		93								.10	--	--	--									

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLE LAB	G.M. DEPTH	00 SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TOS SUM	TH NCM	TURB SAR	
																				PERCENT REACTANCE VALUE
07 3253.01 INCLINE CREEK AT INCLINE VILLAGE (T-21)																				
05/07/75	S050	1.80	10.0	41.5F	7.2	75	--	--	--	--	--	--	3.6	--	--	--			0.5A	
1030	S050	1.2	9R	5.3C		84							.10		--	--				
07 3300.01 GENERAL CREEK NEAR WEEKS HAY (T-3)																				
05/07/75	S050	0.41	10.8	34.9F	7.3	32	--	--	--	--	--	--	.0	--	--	--			0.24A	
0825	S050	10	96	1.8C		33							.00		--	--				
07 3571.01 TAYLOR CREEK NEAR CAMP RICHARDSON (T-4)																				
05/07/75	S050		10.0	37.8F	7.4	26	--	--	--	--	--	--	.0	--	--	--			0.40A	
0725	S050	.40	93	3.2C		27							.00		--	--				
07 3679.90 EDGEWOOD CREEK AT MOUTH (T-74)																				
05/07/75	S050		11.3	44.1F	8.3	111	--	--	--	--	--	--	12	--	--	--			5.5A	
0840	S050	8.0	115	6.7C		141							.34		--	--				
07 3680.00 EDGEWOOD CREEK AT HIGHWAY 50 (T-7)																				
05/07/75	S050	1.04	10.2	37.9F	7.3	110	--	--	--	--	--	--	12	--	--	--			4.0A	
0915	S050	8.0	95	3.3C		134							.34		--	--				
07 3705.01 UPPER TRUCKEE RIVER NEAR MOUTH (T-1)																				
05/07/75	S050		9.8	34.7F	6.8	55	--	--	--	--	--	--	4.1	--	--	--			2.0A	
0715	S050	50	87	1.5C		62							.12		--	--				
07 3810.00 TROUT CREEK AT SOUTH LAKE TAMOE (T-9)																				
05/07/75	S050	1.68	10.3	35.4F	6.9	50	--	--	--	--	--	--	1.1	--	--	--			4.0A	
0800	S050	25	92	1.9C		61							.03		--	--				
08 2300.00 CARSON RIVER, WEST FORK, AT WOODFORDS																				
05/08/75	S050	1.94	10.4	37	F 7.3	58	6.2	1.6	2.6	--	0	30	--	.4	--	--	50	22	0A	
0945	S050	141	94	3	C 7.2	56	.31	.13	.11	.00	.49	--	.01	--	--	--		0	0.2	
							56	24	70											
09/23/75	S050	0.94	8.5	50	F 7.5	74	8.4	2.2	3.8	--	0	44	--	.0	--	--	70	30	0A	
0920	S050	22	92	10	C 7.4	78	.42	.19	.17	.00	.72	--	.00	--	--	--		0	0.3	
							55	23	22											
08 3420.20 CARSON RIVER, EAST FORK, AT HIGHWAY 4																				
05/08/75	S050		10.1	0	F 7.7	121	12	3.9	7.9	--	0	62	--	1.2	--	--	86	46	7A	
1045	S050	40	18	C 7.6	125	.60	.32	.34		.00	1.02	--	.03	--	--	--		0	0.5	
							48	25	27											
09/23/75	S050		8.8	53	F 7.8	107	17	3.2	7.0	--	0	63	--	1.0	--	--	89	43	0A	
0945	S050	80E	9R	12	C 7.5	119	.00	.26	.30	.00	1.03	--	.03	--	--	--		0	0.5	
							52	22	26											
09 2460.00 WEST WALKER RIVER BELOW LITTLE WALKER RIVER																				
05/08/75	S050	2.10	8.7	52	F 8.3	180	17	3.8	15	--	0	90	--	5.2	--	--	119	58	1A	
1341	S050	260	100	11	C 8.2	182	.85	.31	.05	.00	1.48	--	.15	--	--	--		0	0.9	
							47	17	36											
09/23/75	S050	1.22	8.8	56	F 8.0	164	17	4.3	12	--	0	91	--	1.5	--	--	112	60	5A	
1130	S050	86	107	13	C 7.6	175	.85	.35	.52	.00	1.49	--	.04	--	--	--		0	0.7	
							49	20	30											
09 3200.00 EAST WALKER RIVER NEAR BRIDGEPORT																				
05/08/75	S050	2.04	9.2	48	F 8.1	225	22	5.1	17	--	0	116	--	3.5	--	--	151	76	3A	
1500	S050	300	100	9	C 8.2	227	1.10	.42	.74	.00	1.90	--	.10	--	--	--		0	0.8	
							49	19	33											
09/23/75	S050	1.19	6.3	62	F 7.5	183	23	4.5	10	--	0	109	--	.0	--	--	130	76	21A	
1215	S050	115	81	17	C 7.6	199	1.15	.37	.44	.00	1.79	--	.00	--	--	--		0	0.5	
							59	19	22											

TABLE D-3
MINOR ELEMENT ANALYSIS OF SURFACE WATER

Sampler and Lab Agency Codes

2163 - California Department of Water Resources for SWRCB
5001 - U. S. Bureau of Reclamation
5050 - California Department of Water Resources

Abbreviations

TIME - Pacific Standard Time on a 24-hour clock
DISCH - Instantaneous discharge in cubic feet per second
EC - Electrical Conductance in micromhos at 25° Celsius
TEMP - Water temperature at time of sampling in degrees
Fahrenheit (F) and Celsius (C)
PH - Measure of acidity (<7) or alkalinity (>7) of water
CHROM (ALL) - All chromium
CHROM (HEX) - Hexavalent chromium
D - Dissolved
T - Total

TABLE D-3 (CONTINUED)
MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PM	ARSENIC	CONSTITUENTS IN MILLIGRAMS PER LITER BARIUM CADMIUM CHROM (HEX)	LEAD	MANGANESE	MERCURY SELENIUM	SILVER ZINC
A0 2230.02 SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN										
04/23/75 5:00 1315 5:30				15.0C 8.0	--	-- 0.00 T --	0.01 2.3 T	0.00 0.04 T	--	-- 0.02 T
A1 2785.00 SACRAMENTO RIVER AT BEND BRIDGE										
05/21/75 5:30 1320 5:00				12.0C 7.4	--	-- 0.00 T --	0.01 0.49 T	0.00 0.01 T	--	-- 0.04 T
A0 2933.00 R-D 108 DRAINAGE TO SACRAMENTO RIVER										
04/23/75 5:00 1200 5:00				16.0C 8.4	--	-- 0.00 T --	0.01 2.9 T	0.00 0.29 T	--	-- 0.02 T
A0 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING										
04/23/75 5:30 1045 5:30				16.0C 8.2	--	-- 0.00 T --	0.02 9.0 T	0.01 0.19 T	--	-- 0.02 T
A0 2950.00 R-D 787 DRAINAGE TO COLUSA BASIN DRAIN										
04/23/75 5:30 1025 5:30				16.0C 8.3	--	-- 0.00 T --	0.01 1.8 T	0.01 0.17 T	--	-- 0.01 T
A0 2955.00 R-D 787 DRAINAGE TO SACRAMENTO RIVER										
04/23/75 5:30 1230 5:30				14.0C 8.0	--	-- 0.00 T --	0.01 2.6 T	0.01 0.44 T	--	-- 0.01 T
A0 2965.00 R-D 70 DRAINAGE TO SACRAMENTO RIVER										
04/23/75 5:30 1130 5:00				15.0C 8.0	--	-- 0.00 T --	0.01 4.2 T	0.00 0.16 T	--	-- 0.02 T
A0 2972.00 WHITE SLOUGH NEAR MERTUJIAN										
04/23/75 5:30 1045 5:30				15.0C 7.4	--	-- 0.00 T --	0.01 3.7 T	0.00 0.19 T	--	-- 0.01 T
A0 2975.00 COLUSA BASIN DRAIN AT HIGHWAY 20										
04/23/75 5:30 0905 5:30				14.0C 8.1	--	-- 0.00 T --	0.01 3.4 T	0.01 0.16 T	--	-- 0.02 T
A0 3501.50 COTTONWOOD CREEK AT COTTONWOOD										
04/21/75 5:30 0915 5:30				13.0C 7.0	--	-- 0.00 T --	0.00 0.52 T	0.00 0.02 T	--	-- 0.01 T
A0 4321.01 DEER CREEK AT HIGHWAY 99E										
04/22/75 5:30 1245 5:00				14.0C 7.8	--	-- 0.00 T --	0.00 0.06 T	0.00 0.01 T	--	-- 0.00 T
A0 4401.50 MILL CREEK NEAR MOUTH NEAR LOS MOLINOS										
05/02/75 5:30 1210 5:30				14.0C 7.4	--	-- 0.00 T --	0.00 0.13 T	0.00 0.01 T	--	-- 0.01 T
A0 7147.10 AMERICAN RIVER AT SACRAMENTO WATER PLANT										
02/04/75 2103 1020 5:30	1830 57	48 F 7.1	--	--	--	-- 0.74 T	--	--	--	--
02/18/75 2103 1030 5:30	41	47 F 7.1	0.00 T	0.00 T	0.00 T	0.00 T	0.00 T	0.00 T	0.0000 T	-- 0.01 T
03/04/75 2103 0900 5:30	4300 40	49 F 7.1	--	--	--	-- 0.39 T	--	--	--	--
03/18/75 5:30 0830 5:30	4020 42	49 F 7.1	0.00 T	0.00 T	0.00 T	0.02 T	0.01 T	0.01 T	--	-- 0.04 T
04/08/75 2103 0845 5:30	4403 42	48.5 F 7.2	--	--	--	-- 0.37 T	--	--	--	--
04/22/75 2103 0815 5:30	4504 46	51.5 F 7.1	0.00 T	0.00 T	0.00 T	0.00 T	0.00 T	0.0000 T	--	-- 0.00 T
05/06/75 2103 0915 5:30	4718 49	50.5 F 7.2	--	--	--	-- 0.18 T	--	--	--	--
05/26/75 2103 0850 5:30	4504 54	54.5 F 7.2	0.00 T	0.00 T	0.00 T	0.03 T	0.01 T	0.01 T	--	-- 0.03 T
06/10/75 2103 0915 5:30	4614 52	61.5 F 7.1	--	--	--	-- 0.16 T	--	--	--	--
06/24/75 2103 0900 5:30	4802 48	58 F 7.1	0.00 T	0.00 T	0.00 T	0.00 T	0.00 T	0.01 T	0.0000 T	-- 0.04 T
07/08/75 2103 0845 5:30	4802 48	61.5 F 7.1	--	--	--	-- 0.13 T	--	--	--	--
07/22/75 2103 0930 5:30	4802 48	63.5 F 7.1	0.00 T	0.00 T	0.00 T	0.00 T	0.00 T	0.01 T	--	-- 0.00 T
08/05/75 2103 0900 5:30	4812 45	64.5 F 7.1	--	--	--	-- 0.14 T	--	--	--	--
08/19/75 2103 0915 5:30	4804 45	63 F 7.1	0.00 T	0.00 T	0.00 T	0.05 T	0.01 T	0.01 T	0.0000 T	-- 0.04 T
09/02/75 2103 0845 5:30	4845 48	65 F 7.1	--	--	--	-- 0.16 T	--	--	--	--
09/14/75 2103 0900 5:30	4845 48	63 F 7.1	0.00 T	0.00 T	0.00 T	0.02 T	0.02 T	0.01 T	0.0000 T	-- 0.03 T

TABLE D-3 (CONTINUED)
MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP °F	ARSENIC	CONSTITUENTS BARIUM CADMIUM	IN MILLIGRAMS CHROM (ALL) CHROM (HEX)	PER LITER COPPER IRON	LEAD	MANGANESE	MERCURY SELENIUM	SILVER ZINC
A0 7100.00 AMERICAN RIVER BELOW HUMBUS DAM												
02/04/75 2103 0930 5:00			2010.4 65	48 F 7.2	--	--	--	0.44 T	--	--	--	--
02/18/75 2103 0930 5:00			7510.4 50	47.5 F 7.1	0.00 T	0.00 T	0.00 T	0.00 T 0.19 T	0.00 T 0.01 T	0.0000 T	0.01 T	--
03/04/75 2103 0830 5:00			4030 47	49 F 7.2	--	--	--	0.29 T	--	--	--	--
03/18/75 2103 0730 5:00			5110 60	48.5 F 7.2	0.00 T	0.00 T	0.00 T	0.00 T 0.21 T	0.01 T 0.01 T	--	0.00 T	--
04/08/75 2103 0800 5:00			7400 62	48 F 7.2	--	--	--	0.42 T	--	--	--	--
04/22/75 2103 0945 5:00			5090 64	51.5 F 7.2	0.00 T	0.00 T	0.00 T	0.00 T 0.19 T	0.00 T 0.01 T	0.0000 T	--	0.00 T
05/06/75 2103 0820 5:00			5330 62	53.0 F 7.2	--	--	--	0.14 T	--	--	--	--
05/20/75 2103 0800 5:00			5160 57	54.0 F 7.2	0.00 T	0.00 T	0.00 T	0.00 T 0.16 T	0.01 T 0.01 T	--	0.00 T	--
06/10/75 2103 0815 5:00			5200 48	56.0 F 7.1	--	--	--	0.00 T	--	--	--	--
06/24/75 2103 0800 5:00			3520 44	57 F 7.1	0.00 T	0.00 T	0.00 T	0.00 T 0.09 T	0.00 T 0.01 T	0.0000 T	--	0.00 T
07/04/75 2103 0800 5:00			3520 44	59.0 F 7.2	--	--	--	0.10 T	--	--	--	--
07/22/75 2103 0800 5:00			3500 43	61.0 F 7.0	0.00 T	0.00 T	0.00 T	0.01 T 0.07 T	0.00 T 0.01 T	--	0.00 T	--
08/05/75 2103 0745 5:00			3010 44	61.0 F 7.0	--	--	--	0.11 T	--	--	--	--
08/19/75 2103 0815 5:00			2450 40	62 F 6.8	0.00 T	0.00 T	1.00 T	0.01 T 0.11 T	0.00 T 0.01 T	0.0000 T	--	0.00 T
09/02/75 2103 0800 5:00			2350 42	63 F 7.1	--	--	--	0.00 T	--	--	--	--
09/16/75 2103 0745 5:00			2350 40	62 F 6.9	0.00 T	0.00 T	0.00 T	0.00 T 0.13 T	0.01 T 0.01 T	0.0000 T	--	0.00 T
A1 1000.00 PIT RIVER NEAR MONTGOMERY CREEK												
03/19/75 5:00 1000 5:00			7.5C 105	7.3	--	0.00 T	--	0.00 T 2.0 T	0.00 T 0.03 T	--	--	0.01 T
A1 1000.00 PIT RIVER NEAR CANNY												
03/19/75 5:00 1320 5:00			7.1C 182	7.7	--	0.00 T	--	0.00 T 4.1 T	0.00 T 0.09 T	--	--	0.01 T
05/06/75 5:00 1400 5:00			9.0C 7.6	--	--	0.00 T	--	0.01 T 3.8 T	0.00 T 0.07 T	--	--	0.02 T
A2 1010.00 SACHAMENTO RIVER AT RESWICK												
04/21/75 5:00 1100 5:00			10.00C 1100	10.5C 7.1	--	0.00 T	--	0.01 T 1.0 T	0.01 T 0.01 T	--	--	0.39 T
A3 1110.00 STONY CREEK BELOW BLACK BUTTE DAM												
05/20/75 5:00 1120 5:00			18.0C 8.0	--	--	0.00 T	--	0.02 T 0.64 T	0.00 T 0.02 T	--	--	0.02 T
A3 1250.00 STONY CREEK NEAR FRUIT												
04/22/75 5:00 1100 5:00			13.0C 8.3	--	--	0.00 T	--	0.00 T 0.94 T	0.00 T 0.02 T	--	--	0.00 T
A4 1110.00 RUTTE CREEK NEAR CHICO												
05/02/75 5:00 1030 5:00			11.0C 7.8	--	--	0.00 T	--	0.00 T 0.13 T	0.00 T 0.01 T	--	--	0.01 T
A4 2110.00 HIGH CHICO CREEK NEAR CHICO												
05/02/75 5:00 0945 5:00			12.5C 7.8	--	--	0.00 T	--	0.00 T 0.04 T	0.00 T 0.00 T	--	--	0.01 T
A5 L 902.7 254.7 1 CLEAR LAKE AT LAKEPORT												
04/17/75 5:00 0730 5:00			10.0C 8.0	--	--	0.00 T	--	0.00 T 1.8 T	0.01 T 0.04 T	--	--	0.01 T
A5 1250.00 HAW CREEK NEAR RUMSEY												
04/17/75 5:00 1110 5:00			12.0C 8.2	--	--	0.00 T	--	0.00 T 0.13 T	0.01 T 0.01 T	--	--	0.01 T
A5 1300.00 CACHE CREEK NEAR LOWER LAKE												
04/17/75 5:00 0910 5:00			513 0910	12.0C 8.3	--	0.00 T	--	0.00 T 1.6 T	0.01 T 0.03 T	--	--	0.00 T
A5 2050.00 CACHE CREEK, NORTH FORK, NEAR LOWER LAKE												
04/17/75 5:00 1020 5:00			12.0C 8.2	--	--	0.00 T	--	0.00 T 0.18 T	0.00 T 0.03 T	--	--	0.00 T

TABLE D-3 (CONTINUED)
MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP °F	PH	ARSENIC	CONSTITUENTS IN MILLIGRAMS PER LITER MARIUM CHROMIUM CATHIUM	PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
80 7620.00 SAN JOAQUIN RIVER NEAR VERNALIS											
12/19/74	5020		358	10.0C		--	--	0.01 D	--	0.0000 T	--
0900	5030			7.2		--	--	0.01 D	--	--	0.01 D
01/21/75	5011			10 C		--	--	0.01 T	0.00 T	0.0000 T	--
1600	5050	3	645	7.5	0.00 T	0.00 T	--	1.6 T	0.09 T	--	0.01 T
01/21/75	5011			10 C		--	--	0.00 D	0.00 D	--	--
1601	5050	3	645	7.5	0.00 D	0.00 D	--	0.04 D	0.05 D	--	0.01 D
05/01/75	5011			19 C		--	--	0.00 D	0.00 D	--	--
1335	5020	3	702	7.0	0.00 D	0.00 D	--	0.05 D	0.05 D	--	0.05 D
05/01/75	5011			19 C		--	--	0.00 T	0.00 T	0.0001 T	--
1330	5030	3	702	7.0	0.00 T	0.00 T	--	2.8 T	0.18 T	--	0.05 T
09/11/75	5011			22 C		--	--	0.00 D	0.00 D	--	--
1410	5030	3	471	7.0	0.00 D	0.00 D	--	0.03 D	0.02 D	--	0.00 D
09/11/75	5011			22 C		--	--	0.01 T	0.01 T	0.0001 T	--
1411	5050	3	471	7.0	0.00 T	0.00 T	--	1.5 T	0.13 T	--	0.01 T
89 0 749.8 133.2 WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CT FOREBAY											
01/22/75	5011			7 C		--	--	0.01 T	0.00 T	0.0000 T	--
1615	5050	3	432	7.2	0.00 T	0.00 T	--	1.6 T	0.07 T	--	0.02 T
01/22/75	5011			7 C		--	--	0.00 D	0.00 D	--	--
1616	5030	3	432	7.2	0.00 D	0.00 D	--	0.08 D	0.05 D	--	0.02 D
05/01/75	5011			16 C		--	--	0.01 D	0.00 D	--	--
1225	5030	3	233	7.7	0.00 D	0.00 D	--	0.04 D	0.00 D	--	0.01 D
05/01/75	5011			16 C		--	--	0.01 T	0.00 T	0.0000 T	--
1226	5030	3	233	7.7	0.00 T	0.00 T	--	1.9 T	0.04 T	--	0.01 T
09/11/75	5011			23 C		--	--	0.00 D	0.00 D	--	--
1335	5030	3	221	8.5	0.00 D	0.00 D	--	0.03 D	0.00 D	--	0.00 D
09/11/75	5011			23 C		--	--	0.01 T	0.00 T	0.0002 T	--
1336	5030	3	221	8.5	0.00 T	0.00 T	--	1.2 T	0.05 T	--	0.01 T
89 D 750.7 122.9 SAN JOAQUIN RIVER AT HUCKLEY COVE											
02/03/75	5011			9 C		--	--	0.02 T	0.00 D	--	--
1225	5030	3	508	7.4	0.00 D	0.00 D	--	0.04 D	0.02 D	--	0.01 D
02/03/75	5011			9 C		--	--	0.02 T	0.00 T	0.0001 T	--
1226	5030	3	508	7.4	0.00 T	0.00 T	--	0.06 T	0.05 T	--	0.01 T
05/01/75	5011			17 C		--	--	0.00 D	0.00 D	--	--
0955	5030	3	549	8.1	0.00 D	0.00 D	--	0.02 D	0.00 D	--	0.01 D
05/01/75	5011			17 C		--	--	0.00 T	0.00 T	0.0000 T	--
0956	5030	3	549	8.1	0.00 T	0.00 T	--	0.07 T	0.10 T	--	0.01 T
09/11/75	5011			24 C		--	--	0.00 D	0.00 D	--	--
1100	5030	3	620	8.2	0.00 D	0.00 D	--	0.02 D	0.01 D	--	0.01 D
09/11/75	5011			24 C		--	--	0.01 T	0.00 T	0.0002 T	--
1101	5030	3	620	8.2	0.00 T	0.00 T	--	0.02 T	0.02 T	--	0.00 T
89 D 801.1 142.6 BIG BREAK NEAR OAKLEY											
01/08/75	5011			8 C		--	--	0.00 D	0.00 D	--	--
1425	5050	3	231	7.9	0.00 D	0.00 D	--	0.05 D	0.00 D	--	0.00 D
01/08/75	5011			8 C		--	--	0.00 T	0.00 T	0.0000 T	--
1426	5030	3	231	7.9	0.00 T	0.00 T	--	1.1 T	0.03 T	--	0.01 T
05/08/75	5011			18 C		--	--	0.00 D	0.00 D	--	--
1625	5030	3	143	8.8	0.00 D	0.00 D	--	0.05 D	0.00 D	--	0.00 D
05/08/75	5011			18 C		--	--	0.00 T	0.00 T	0.0000 T	--
1626	5030	3	143	8.8	0.00 T	0.00 T	--	1.8 T	0.03 T	--	0.01 T
09/03/75	5011			25 C		--	--	0.00 D	0.00 D	--	--
1725	5030	3	258	8.3	0.00 D	0.00 D	--	0.02 D	0.00 D	--	0.00 D
09/03/75	5011			25 C		--	--	0.01 T	0.00 T	0.0002 T	--
1726	5030	3	258	8.3	0.00 T	0.00 T	--	0.71 T	0.02 T	--	0.00 T
89 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL											
01/08/75	5011			8 C		--	--	0.00 D	0.00 D	--	--
1355	5030	3	273	7.8	0.00 D	0.00 D	--	0.04 D	0.00 D	--	0.00 D
01/08/75	5011			8 C		--	--	0.01 T	0.00 T	0.0000 T	--
1356	5030	3	273	7.8	0.00 T	0.00 T	--	1.1 T	0.03 T	--	0.01 T
05/08/75	5011			16 C		--	--	0.00 D	0.00 D	--	--
1555	5030	3	166	8.1	0.00 D	0.00 D	--	0.05 D	0.00 D	--	0.00 D
05/08/75	5011			16 C		--	--	0.00 T	0.00 T	0.0000 T	--
1556	5030	3	166	8.1	0.00 T	0.00 T	--	1.9 T	0.03 T	--	0.01 T
09/03/75	5011			22 C		--	--	0.00 D	0.00 D	--	--
1640	5030	3	527	7.8	0.00 D	0.00 D	--	0.00 D	0.00 D	--	0.00 D
09/03/75	5011			22 C		--	--	0.01 T	0.00 T	0.0002 T	--
1641	5030	3	527	7.8	0.00 T	0.00 T	--	1.2 T	0.03 T	--	0.00 T
89 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT											
01/07/75	5011			7 C		--	--	0.00 D	0.00 D	--	--
1420	5030	3	230	7.7	0.00 D	0.00 D	--	0.06 D	0.00 D	--	0.00 D
01/07/75	5011			7 C		--	--	0.00 T	0.00 T	0.0000 T	--
1421	5030	3	230	7.7	0.00 T	0.00 T	--	0.06 T	0.02 T	--	0.00 T
05/07/75	5011			16 C		--	--	0.00 D	0.00 D	--	--
1550	5030	3	143	8.0	0.00 D	0.00 D	--	0.06 D	0.00 D	--	0.01 D

TABLE D-3 (CONTINUED)
MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAH	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADIUM	CHROM (ALL) CHROM (HEX)	PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
89 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT											
						CONTINUED					
05/07/75 5001 1551 5:50	3	143	16 C A.0	0.00 T	--	0.00 T	0.01 T	0.01 T	0.0000 T	--	0.01 T
09/02/75 5001 1530 5:50	3	270	22 C 6.0	0.00 O	--	0.00 O	0.00 O	0.00 O	--	--	0.00 O
09/02/75 5001 1531 5:50	3	270	22 C 8.0	0.00 T	--	0.01 T	0.01 T	0.01 T	0.0002 T	--	0.00 T
89 D 803.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO											
01/07/75 5001 1215 5:50	3	344	7 C 7.2	0.00 O	--	0.00 O	0.01 O	0.01 O	--	--	0.01 O
01/07/75 5001 1216 5:50	3	344	7 C 7.2	0.00 T	--	0.00 T	0.01 T	0.00 T	0.0000 T	--	0.01 T
05/07/75 5001 1345 5:50	3	146	15 C 7.8	0.00 O	--	0.01 O	0.01 O	0.00 O	--	--	0.00 O
05/07/75 5001 1346 5:50	3	146	15 C 7.8	0.00 T	--	0.01 T	0.01 T	0.00 T	0.0000 T	--	0.01 T
09/02/75 5001 1345 5:50	3	190	22 C 7.9	0.00 O	--	0.00 O	0.01 O	0.00 O	--	--	0.00 O
09/02/75 5001 1346 5:50	3	190	22 C 7.9	0.00 T	--	0.00 T	0.01 T	0.01 T	0.0002 T	--	0.01 T
89 D 804.7 134.0 SAN JOAQUIN RIVER AT ROTATO POINT											
01/07/75 5001 1510 5:50	3	193	7 C 7.6	0.00 O	--	0.00 O	0.01 O	0.00 O	--	--	0.00 O
01/07/75 5001 1511 5:50	3	193	7 C 7.6	0.00 T	--	0.00 T	0.01 T	0.00 T	0.0000 T	--	0.00 T
05/07/75 5001 1630 5:50	3	122	15 C 7.7	0.00 O	--	0.00 O	0.01 O	0.00 O	--	--	0.01 O
05/07/75 5001 1631 5:50	3	122	15 C 7.7	0.00 T	--	0.00 T	0.01 T	0.01 T	0.0000 T	--	0.01 T
09/02/75 5001 1615 5:50	3	160	22 C 7.8	0.00 O	--	0.00 O	0.00 O	0.01 O	--	--	0.00 O
09/02/75 5001 1616 5:50	3	160	22 C 7.8	0.00 T	--	0.00 T	0.01 T	0.01 T	0.0001 T	--	0.00 T
89 D 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE											
01/07/75 5001 1330 5:50	3	170	7 C 7.6	0.00 U	--	0.00 O	0.01 O	0.00 O	--	--	0.01 O
01/07/75 5001 1331 5:50	3	170	7 C 7.6	0.00 T	--	0.00 T	0.01 T	0.00 T	0.0000 T	--	0.01 T
05/07/75 5001 1505 5:50	3	130	15 C 7.7	0.00 O	--	0.00 O	0.01 O	0.00 O	--	--	0.01 O
05/07/75 5001 1506 5:50	3	130	15 C 7.7	0.00 T	--	0.00 T	0.01 T	0.01 T	0.0000 T	--	0.01 T
09/02/75 5001 1450 5:50	3	148	21 C 7.9	0.00 O	--	0.00 O	0.00 O	0.00 O	--	--	0.00 O
09/02/75 5001 1451 5:50	3	148	21 C 7.9	0.00 T	--	0.00 T	0.01 T	0.01 T	0.0001 T	--	0.00 T
89 D 815.3 126.3 KOKILMUNE RIVER NEAR THOMTON											
01/21/75 5001 1150 5:50	3	99	8 C 7.1	0.00 T	--	0.00 T	0.01 T	0.01 T	0.0000 T	--	0.02 T
01/21/75 5001 1151 5:50	3	99	8 C 7.1	0.00 U	--	0.00 O	0.01 O	0.00 O	--	--	0.02 O
05/01/75 5001 0900 5:50	3	49	13 C 7.1	0.00 O	--	0.00 O	0.00 O	0.01 O	--	--	0.03 O
05/01/75 5001 0901 5:50	3	49	13 C 7.1	0.00 T	--	0.00 T	0.00 T	0.01 T	0.0000 T	--	0.05 T
09/11/75 5001 0915 5:50	3	48	18 C 7.2	0.00 O	--	0.00 O	0.00 O	0.01 O	--	--	0.01 O
09/11/75 5001 0916 5:50	3	48	18 C 7.2	0.00 T	--	0.00 T	0.01 T	0.00 T	0.0000 T	--	0.01 T
89 D 820.7 132.7 SACRAMENTO RIVER AT GREENES LANDING											
10/16/74 5:50 1200 5:50		108	62 F 7.3	0.00 U	--	--	0.01 O	0.00 O	--	--	0.00 O
11/20/74 5:50 1300 5:50		103	55 F 7.3	0.00 O	--	--	0.00 O	0.00 O	--	--	0.00 O
12/18/74 5:50 1300 5:50		125	50 F 7.3	0.00 U	--	--	0.00 O	0.00 O	--	--	0.00 O
01/15/75 5:50 1345 5:50		132	47 F 7.2	0.00 O	--	--	0.00 O	0.00 O	--	--	0.00 O
01/22/75 5:50 1225 5:50	3	202	8 C 7.6	0.00 T	--	0.00 T	0.01 T	0.00 T	0.0003 T	--	0.01 T
01/22/75 5:50 1226 5:50	3	202	8 C 7.5	0.00 O	--	0.00 O	0.00 O	0.01 O	--	--	0.00 O
02/19/75 5:50 1220 5:50		128	47.5 F 7.2	0.00 O	--	--	0.01 O	0.00 O	--	--	0.01 O

TABLE D-3 (CONTINUED)
MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB DEPTH	DISCH FC	TEMP °F	ARSENIC	CONSTITUENTS MAGNESIUM CADMIUM	IN MILLIGRAMS CHROM (BLL) CHROM (MEAL)	PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
49 D 624.7 132.7 SACHAMENDO RIVER AT GREENES LANDING										
CONTINUED										
03/19/75 5:30 1100 5:30		133	51 F 7.4	0.00 D	--	--	0.01 D 0.43 D	0.00 D 0.05 D	--	0.01 D
04/18/75 5:30 1200 5:30		133	55 F 7.3	0.00 D	--	--	0.01 D 0.43 D	0.00 D 0.03 D	--	0.01 D
05/01/75 5:01 0800 5:30	3	117	14 C 7.5	0.00 D	0.00 D	--	0.00 D 0.06 D	0.00 D 0.00 D	--	0.01 D
05/01/75 5:01 0401 5:30	3	117	14 C 7.5	0.00 T	0.00 T	0.01 T	0.01 T 1.5 T	0.01 T 0.03 T	0.0000 T	0.01 T
05/21/75 5:30 1200 5:30		122	61.0 F 7.4	0.00 D	--	--	0.01 D 0.42 D	0.00 D 0.03 D	--	0.01 D
06/18/75 5:30 1245 5:30		106	67.5 F 7.4	0.00 D	--	--	0.01 D 0.01 D	0.00 D 0.00 D	--	0.01 D
07/18/75 5:30 1231 5:30		117	71 F 7.5	0.00 D	--	--	0.00 D 0.07 D	0.00 D 0.02 D	--	0.00 D
08/20/75 5:30 1200 5:30		144	68 F 7.3	0.00 D	--	--	0.01 D 0.15 D	0.00 D 0.03 D	--	0.00 D
09/11/75 5:01 0405 5:30	3	147	20 C 7.5	0.00 D	0.00 D	--	0.01 D 0.04 D	0.00 D 0.01 D	--	0.01 D
09/11/75 5:01 0804 5:30	3	147	20 C 7.5	0.00 T	0.00 T	0.01 T	0.01 T 0.02 T	0.00 T 0.02 T	0.0000 T	0.01 T
09/11/75 5:30 1330 5:30		163	69 F 7.4	0.00 D	--	--	0.00 D 0.00 D	0.00 D 0.03 D	--	0.00 D
64 L 714.5 (274.1) HONEY LAKE NEAR BUNTINGVILLE										
05/07/75 5:30 0910 5:30			11.5 C 9.1	--	0.00 T	--	0.02 T 16. T	0.0 T 0.32 T	--	0.04 T
64 1541.01 SUSAN RIVER NEAR LITCHFIELD										
03/19/75 5:30 1535 5:30		164	8.0 C 7.4	--	0.00 T	--	0.02 T 14. T	0.00 T 0.49 T	--	0.02 T
05/07/75 5:30 0804 5:30			9.0 C 7.8	--	0.00 T	--	0.00 T 0.01 T	0.00 T 0.00 T	--	0.01 T
64 1600.00 SUSAN RIVER AT SUSANVILLE										
03/19/75 5:30 1635 5:30		72	4.0 C 7.2	--	0.00 T	--	0.01 T 7.2 T	0.00 T 0.28 T	--	0.01 T
66 1764.00 LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION										
03/20/75 5:30 0920 5:30		228	1.0 C 7.0	--	0.00 T	--	0.00 T 2.4 T	0.00 T 0.05 T	--	0.01 T

TABLE D-4

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Sampler and Lab Agency Codes

2163	-	California Department of Water Resources for SWRCB
5001	-	U. S. Bureau of Reclamation
5050	-	California Department of Water Resources
5060	-	California Department of Health

Abbreviations and Constituents

TIME	-	Pacific Standard Time on a 24-hour clock
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C)
EC	-	Electrical conductance in micromhos at 25 ^o Celsius
DO	-	Dissolved oxygen content in milligrams per liter
G.H.	-	Instantaneous gage height in feet above an established datum
PH	-	Measure of acidity (<7) or alkalinity (>7) of water: F - Field; L - Lab
DISCH	-	Instantaneous discharge in cubic feet per second
MBAS	-	Methylene blue active substance (a test for detergent surfactants) in milligrams per liter: L - Linear alkylate sulfonate; A - Alkyl benzene sulfonate
DEPTH	-	Depth in feet at which sample was collected
TURB	-	Jackson Turbidity Units
T+L	-	Tannin and lignin as tannic acid in milligrams per liter
CHLOR	-	Field determination of residual chlorine in milligrams per liter
O+G	-	Oil and grease in milligrams per liter
COLOR	-	True color in color units
SET S	-	Settable solids in milliliters per liter (ML/L) and milligrams per liter (MG/L): F - Field; L - Lab
BOD	-	Biochemical oxygen demand in milligrams per liter: A - 4 days; B - 5 days; C - 6 days; D - 7 days; E - 100 days; F - other
SUS S	-	Suspended solids in milligrams per liter: 5 - at 105 ^o C; 8 - at 180 ^o C
COD	-	Chemical oxygen demand in milligrams per liter
V SUS S	-	Volatile suspended solids in milligrams per liter
CYANIDE	-	Cyanide in milligrams per liter
PHENOLS	-	Phenols in milligrams per liter
TOC	-	Total organic carbon in milligrams per liter
DOC	-	Dissolved organic carbon in milligrams per liter
IODIDE	-	Iodide in milligrams per liter
T ODOR	-	Threshold odor number at 60 ^o C
BROMIDE	-	Bromide in milligrams per liter
SULFITE	-	Sulfite in milligrams per liter
T SULF	-	Total sulfides in milligrams per liter
D SULF	-	Dissolved sulfides in milligrams per liter
CC EXT	-	Carbon chloroform extract
CA EXT	-	Carbon alcohol extract

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO % sat	F-PH L-PH	DISCH MGAS	DEPTH TURB	T-L CHLOR	SET S D+G COLOR	ML/L MG/L	R00 SUS S	C00 V SUS S	CYANIDE PHENOLS	TOC DOC	100IDE T ODRR	BROMIDE SULFITE	T SULF D SULF	CC EAT CA EAT
A0 V 836.4 131.4 NATOMAS MAIN DRAIN TO SACRAMENTO RIVER																	
09/17/75 0730	5020 5020	69 417	F 5.1	7.3	--	--	--	--	--	54	5	--	--	--	--	--	--
A0 V 847.4 135.6 R-D 1001 DRAINAGE TO NATOMAS CROSS CANAL																	
09/17/75 0830	5020 5020	76 386	F 5.6	7.2	--	--	--	--	--	96	5	--	--	--	--	--	--
A0 V 857.4 134.4 R-D 784 DRAIN TO FEATHER RIVER																	
09/17/75 1030	5020 5020	69 135	F 6.1	7.0	--	--	--	--	--	462	5	--	--	--	--	--	--
A0 2195.01 SACRAMENTO RIVER BELOW KNIGHTS LANDING																	
09/24/75 1550	5020 5020	21.0C 170	9.0	8.4	--	--	--	--	--	100	5	--	--	--	--	--	--
A0 2230.02 SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN																	
09/24/75 1345	5020 5020	20.0C 1345	8.6 20.29	7.6	--	--	--	--	--	64	5	--	--	--	--	--	--
A0 2965.00 YOLO BYPASS BELOW SACRAMENTO BYPASS																	
09/17/75 1230	5020 5020	74 578	F 6.9	7.8	--	--	--	--	--	87	5	--	--	--	--	--	--
A0 2925.00 SACRAMENTO SLOUGH AT SACRAMENTO RIVER																	
09/24/75 1310	5020 5020	24.0C 1310	6.6	7.6	--	--	--	--	--	75	5	--	--	--	--	--	--
A0 2933.00 R-D 108 DRAINAGE TO SACRAMENTO RIVER																	
09/24/75 1455	5020 5020	23.0C 1455	6.0	7.7	--	--	--	--	--	72	5	--	--	--	--	--	--
A0 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING																	
09/24/75 1425	5020 5020	24.0C 1425	6.3 23.47	7.8	--	--	--	--	--	133	5	--	--	--	--	--	--
A0 2950.00 R-D 787 DRAINAGE TO COLUSA BASIN DRAIN																	
09/24/75 1410	5020 5020	23.0C 1410	3.8	9.6	--	--	--	--	--	87	5	--	--	--	--	--	--
A0 2955.00 R-D 787 DRAINAGE TO SACRAMENTO RIVER																	
09/24/75 1525	5020 5020	24.0C 1525	6.5	7.8	--	--	--	--	--	131	5	--	--	--	--	--	--
A0 2965.90 R-D 76 DRAINAGE TO SACRAMENTO RIVER																	
09/24/75 1100	5020 5020	24.0C 1100	6.8	8.0	--	--	--	--	--	151	5	--	--	--	--	--	--
A0 2972.00 BUTTE SLOUGH NEAR MERIDIAN																	
09/24/75 0930	5020 5020	21.0C 317	5.0	7.2	--	--	--	--	--	42	5	--	--	--	--	--	--
A0 2976.00 COLUSA BASIN DRAIN AT HIGHWAY 20																	
09/24/75 0750	5020 5020	20.5C 635	7.1	7.8	--	--	--	--	--	298	5	--	--	--	--	--	--
A0 5660.00 JACK SLOUGH AT MARYSVILLE																	
09/18/75 1030	5020 5020	68 108	F 7.7	7.2	--	--	--	--	--	7	5	--	--	--	--	--	--
A0 5910.00 SUTTER BP STATE PP NO 1 NR NICOLAUS																	
09/24/75 1215	5020 5020	23.0C 1215	6.4	7.8	--	--	--	--	--	146	5	--	--	--	--	--	--
A0 5920.00 SUTTER BP STATE PP NO 2 NR TISDALE																	
09/24/75 1145	5020 5020	22.0C 1145	7.1	7.8	--	--	--	--	--	99	5	--	--	--	--	--	--
A0 5925.00 SUTTER BP STATE PP NO 3 NR YUBA CITY																	
09/24/75 1020	5020 5020	22.0C 1020	5.5	7.6	--	--	--	--	--	43	5	--	--	--	--	--	--
A0 5927.00 WADSWORTH CANAL NR SUTTER																	
09/24/75 0955	5020 5020	21.0C 38.09	6.8	7.4	--	--	--	--	--	34	5	--	--	--	--	--	--
A0 7100.10 AMERICAN RIVER AT SACRAMENTO WATER PLANT																	
02/04/75 1020	2103 5020	48 57	F 10.7	7.0	1836	--	--	--	--	12	5	3.9	--	--	--	--	--
02/04/75 1021	2103 5020	48 57	F 10.7	7.0	1836	--	--	--	--	--	--	--	3	--	--	--	--
02/18/75 1030	2103 5020	47 51	F 11.3	7.1	0.00 A	--	--	--	--	9	5	4.2	1.1	--	--	--	--
03/04/75 0900	2103 5020	49 60	F 11.0	7.1	4306	--	--	--	--	3	5	2.5	1.0	--	--	--	--
03/18/75 0830	2103 5020	49 62	F 10.9	7.1	6028 0.00 A	--	--	--	--	0	5	3.4	0.8	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T+L CHLOR	SET S O+O COLOR	ML/L NO ₃ -N	800 SUS S	COO SUS S	CYANIDE PHENOLS	TOC DOC	100IODE T ODOOR	BROMIDE SULFIDE	T SULF O SULF	CC EXT CA EXT
A0 7140.10 AMERICAN RIVER AT SACRAMENTO WATER PLANT CONTINUED																	
04/08/75 0845	2103 5:50	4A,5F 62	10.4	7.2	8403	--	--	--	--	6 5	1.8	--	2.3	--	--	--	--
04/22/75 0815	2103 5:50	51,5F 66	10.8	7.1	4594 0.00 A	--	--	--	--	3 5	1.8	--	2.0	--	--	--	--
05/06/75 0910	2103 5:50	54,0F 69	10.3	7.2	4718 --	--	--	--	--	2 5	6.5	--	2.0	--	--	--	--
05/20/75 0850	2103 5:50	54 F 59	10.4	7.2	4590 0.01 L	--	--	--	--	3 5	1.5	--	1.8	--	--	--	--
06/10/75 0915	2103 5:50	61,0F 52	10.1	7.1	4619 --	--	--	--	--	4 5	2.3	--	1.9	--	--	--	--
06/24/75 0900	2103 5:50	58 F 48	9.7	7.1	2892 0.00 L	--	--	--	--	3 5	2.1	--	2.0	--	--	--	--
07/08/75 0845	2103 5:50	61,0F 48	9.4	7.0	2892 --	--	--	--	--	3 5	2.5	--	2.0	--	--	--	--
07/22/75 0930	2103 5:50	61,0F 48	10.2	7.0	2892 0.00 L	--	--	--	--	2 5	3.2	--	--	--	--	--	--
08/05/75 0900	2103 5:50	62,0F 45	10.4	7.0	2412 --	--	--	--	--	2.4 5	1.0	--	3.7	--	--	--	--
08/19/75 0915	2103 5:50	61 F 45	9.0	7.0	1998 0.01 L	--	--	--	--	4.0 5	2.0	--	2.9	--	--	--	--
09/02/75 0845	2103 5:50	65 F 48	8.6	7.0	1865 --	--	--	--	--	4.4 5	2.8	--	2.8	--	--	--	--
09/16/75 0900	2103 5:50	61 F 45	9.0	7.0	1908 0.00 L	--	--	--	--	5.2 5	1.8	--	2.7	--	--	--	--
A0 7160.00 AMERICAN RIVER BELOW NIMBUS DAM																	
02/04/75 0930	2103 5:50	48 F 45	11.2	7.0	2810,4 --	--	--	--	--	6 5	3.7	--	--	--	--	--	--
02/04/75 0931	2103 5:50	48 F 65	11.2	7.0	2810,4 --	--	--	--	--	--	--	--	3	--	--	--	--
02/18/75 0930	2103 5:50	47,5F 50	12.2	7.1	7510,4 0.00 A	--	--	--	--	7 5	3.7	--	0.9	--	--	--	--
03/04/75 0830	2103 5:50	49 F 57	11.4	7.2	4030 --	--	--	--	--	2 5	2.7	--	1.0	--	--	--	--
03/18/75 0730	2103 5:50	48,5F 60	10.4	7.2	5111 0.00 A	--	--	--	--	2 5	3.2	--	0.9	--	--	--	--
04/08/75 0800	2103 5:50	48 F 62	11.9	7.2	748 --	--	--	--	--	5 5	1.5	--	2.0	--	--	--	--
04/22/75 0945	2103 5:50	51,5F 64	11.1	7.2	5090 0.00 A	--	--	--	--	2 5	1.7	--	1.9	--	--	--	--
05/06/75 0820	2103 5:50	53, F 62	11.3	7.2	5330 --	--	--	--	--	2 5	2.4	--	1.6	--	--	--	--
05/20/75 0900	2103 5:50	54 F 57	10.4	7.2	5180 0.00 L	--	--	--	--	3 5	1.2	--	2.0	--	--	--	--
06/10/75 0815	2103 5:50	54,0F 48	10.2	7.1	5201 --	--	--	--	--	2 5	1.8	--	1.6	--	--	--	--
06/24/75 0800	2103 5:50	57 F 44	10.1	7.1	3420 0.00 L	--	--	--	--	2 5	1.9	--	1.6	--	--	--	--
07/08/75 0900	2103 5:50	50, F 44	10.0	7.2	3520 --	--	--	--	--	3 5	1.3	--	1.6	--	--	--	--
07/22/75 0800	2103 5:50	61,0F 43	9.4	7.0	3500 0.00 L	--	--	--	--	1 5	2.5	--	--	--	--	--	--
08/05/75 0745	2103 5:50	61,0F 44	10.2	7.0	3810 --	--	--	--	--	1.6 5	0.8	--	2.1	--	--	--	--
08/19/75 0815	2103 5:50	62 F 40	8.9	6.8	2450 0.00 L	--	--	--	--	2.0 5	1.7	--	2.0	--	--	--	--
09/02/75 0800	2103 5:50	63 F 42	8.7	7.0	2350 --	--	--	--	--	2.4 5	2.0	--	2.5	--	--	--	--
09/16/75 0745	2103 5:50	62 F 40	8.3	6.9	2390 0.00 L	--	--	--	--	6.8 5	2.2	--	2.9	--	--	--	--
A9 1377.00 CAPELL CREEK AT HWY 121 NEAR MOSKOWITZ CORNER																	
12/05/74 1100	32-7 19:4	A C 435	11.4	7.4	6.5 --	--	--	0 L	--	--	--	--	--	--	--	--	--
A9 1305.00 CAPELL CREEK AT CIRCLE DAMS																	
12/04/74 1230	32-7 19:4	A C 525	10.7	7.5	8.5 --	--	--	0 L	--	--	--	--	--	--	--	--	--
01/09/75 1230	32-7 19:4	7 C 490	11.3	--	1 --	--	--	0 L	--	8 5	--	--	--	--	--	--	--
M0 7060.00 SAN JOAQUIN RIVER NEAR VERNALIS																	
10/02/74 1035	50-1 5:50	19 C 345	8.4	7.6	-- --	3	--	--	--	26 5	7	--	--	--	--	--	--
10/16/74 1030	50-1 5:50	19 C 570	7.3	7.6	2700 --	3	--	--	--	35 5	12	--	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	P-H L-PH	DISCH CUBS	DEPTH TURB	T-L CHLOR	SET S ML/L COLOR	800 SUS S	COO V SUS S	CYANIDE PHENOLS	TOC DOC	100IU T OODR	IRON SHLITE	T SULF D SULF	CC EXT CA EXT
H0 7020.00 SAN JOAQUIN RIVER NEAR VERNALIS CONTINUED																
10/17/74 0800	S-20	64 F 406	7.0 12.75	7.2	--	--	--	--	4.2 H	5	--	--	--	--	--	--
11/06/74 1425	S-21	14 C 338	8.7 14.49	7.3	4500	3	--	--	28 S	4	--	--	--	--	--	--
11/18/74 1300	S-21	15 C 440	8.9 13.57	7.3	3670	3	--	--	20 S	2	--	--	--	--	--	--
11/21/74 0900	S-20	13.7 C 316	8.4 13.35	7.3	--	--	--	--	2.0 H	6	--	--	--	--	--	--
12/17/74 1300	S-21	12 C 375	10.1 14.62	7.6	4510	3	--	--	26 S	4	--	--	--	--	--	--
12/19/74 0900	S-20	10.2 C 358	8.7 12.67	7.2	--	--	--	--	2.0 H	6	--	--	--	--	--	--
01/21/75 1600	S-21	10 C 645	9.8 12.56	7.5	2750	3	--	--	32 S	12	--	--	--	--	--	--
02/03/75 1450	S-21	11 C 633	9.9 13.27	--	3320	3	--	--	40 S	5	--	--	--	--	--	--
03/19/75 1115	S-21	13 C 478	9.7 13.58	7.6	6420	3	--	--	48 S	5	--	--	--	--	--	--
04/01/75 1240	S-21	13 C 398	9.7 16.46	7.6	6460	3	--	--	57 S	7	--	--	--	--	--	--
04/18/75 1410	S-21	15 C 633	9.4 13.22	7.4	3180	3	--	--	34 S	5	--	--	--	--	--	--
05/01/75 1335	S-21	19 C 712	8.9 12.14	7.8	2510	3	--	--	56 S	12	--	--	--	--	--	--
05/15/75 1210	S-21	18 C 445	9.5 13.79	7.8	3870	3	--	--	61 S	8	--	--	--	--	--	--
06/03/75 1700	S-21	19 C 198	8.9 16.61	7.3	6670	3	--	--	47 S	5	--	--	--	--	--	--
06/17/75 1615	S-21	19 C 140	8.7 17.69	7.6	7431	3	--	--	58 S	7	--	--	--	--	--	--
06/25/75 1010	S-20	19 C 531	8.2 12.66	7.9	2730	3	--	--	13 F	--	--	--	--	--	--	--
06/25/75 1011	S-21	18 C 531	8.2 12.66	7.8	2730	3	--	--	80 S	16	--	--	--	--	--	--
07/01/75 1535	S-20	21 C 736	9.8 11.81	8.2	2070	3	--	--	86 S	12	--	--	--	--	--	--
07/15/75 1510	S-21	22 C 778	8.7 10.98	8.2	1561	3	--	--	146 S	19	--	--	--	--	--	--
07/23/75 1035	S-21	24 C 805	7.4 7.4	7.4	--	3	--	--	164 S	25	--	--	--	--	--	--
07/23/75 1036	S-21	25 C 805	7.4 7.4	7.4	--	3	--	--	164 S	25	--	--	--	--	--	--
08/12/75 1615	S-21	26.1 C 733	9.4 16.78	7.2	1520	3	--	--	118 S	19	--	--	--	--	--	--
08/26/75 1200	S-20	25 C 685	7.3 11.14	7.7	1790	3	--	--	107 S	12	--	--	--	--	--	--
09/11/75 1410	S-20	22 C 471	7.9 12.16	7.9	2530	3	--	--	73 S	8	--	--	--	--	--	--
09/25/75 1330	S-21	23 C 379	7.4 12.41	7.8	3050	3	--	--	74 S	14	--	--	--	--	--	--
09/30/75 1314	S-21	19 C 386	8.1 15.83	7.8	--	3	--	--	49 S	15	--	--	--	--	--	--
H2 0100.01 JACKSON CREEK AT JARVIS ROAD BRIDGE																
05/08/75 1340	2103	64 F 233	11.1	8.8	--	--	--	--	1.2 H	--	--	--	--	--	--	--
H2 0105.01 JACKSON CREEK BELOW CITY OF JACKSON STP																
05/08/75 0945	2103	50 F 225	9.4	7.9	--	--	--	--	1.1 H	--	--	--	--	--	--	--
H2 0109.20 JACKSON CREEK ABOVE CITY OF JACKSON STP																
05/08/75 0915	2103	58 F 217	10.5	8.0	--	--	--	--	1.1 H	--	--	--	--	--	--	--
H2 0114.55 JACKSON CREEK NORTH FORK IN JACKSON																
05/08/75 1250	2103	53 F 325	9.4	8.0	--	--	--	--	1.1 H	--	--	--	--	--	--	--
H2 0119.70 JACKSON CREEK SOUTH FORK IN JACKSON																
05/08/75 1040	2103	64 F 171	10.9	7.8	--	--	--	--	0.9 R	--	--	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO % sat.	F-WPH L-PPH	DISCH MGDS	DEPTH TURNS	TAL CM/LR	SET 5 ML/L COLOR	NO ML/L SUS 5	NO SUS 5	CON V SUS 5	CYANIDE PHENOLS	TOC DOC	10013E T DOOR	ARMWIDE SILFITE	T SULF D SULF	CC LAT CA EXT
R2 0191.01 JACKSON CREEK ABOVE SOUTH FORK JACKSON CREEK																	
05/08/75 1100	2103 5C20	02 F 172	9.4	7.6	--	--	--	--	1.1 B	--	--	--	--	--	--	--	--
R2 0193.01 JACKSON CREEK BELOW NEW YORK GULCH																	
05/08/75 1220	2103 5C20	05 F 151	8.8	7.6	--	--	--	--	0.8 R	--	--	--	--	--	--	--	--
R9 0 745.3 116.3 SAN JOAQUIN RIVER ABOVE PARADISE CUT																	
06/25/75 1125	5100 5C20	20 C 540	9.2	7.9	--	3	--	--	13 F	--	--	--	--	--	--	--	--
06/25/75 1126	5101 5C20	20 C 540	9.2	7.9	--	3	--	--	66 S	15	--	--	--	--	--	--	--
07/23/75 1125	5100 5C20	20 C 540	9.2	7.9	--	3	--	--	13 F	--	--	--	--	--	--	--	--
07/23/75 1126	5001 5C01	25 C 918	9.3	8.2	--	3	--	--	97 S	18	--	--	--	--	--	--	--
R9 0 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE																	
10/02/74 0950	5001 5000	19 C 305	7.6	7.4	--	3	--	--	3.6 R 32 S	8	--	--	--	--	--	--	--
10/16/74 0945	5001 5000	18 C 449	7.1	7.4	--	3	--	--	37 S	11	--	--	--	--	--	--	--
11/06/74 1350	5001 5000	14 C 290	9.0	7.3	--	3	--	--	1.6 R 26 S	4	--	--	--	--	--	--	--
11/18/74 1240	5001 5000	13 C 440	8.7	7.7	--	3	--	--	28 S	3	--	--	--	--	--	--	--
12/17/74 1220	5001 5000	11 C 373	10.0	7.7	--	3	--	--	1.4 R 29 S	3	--	--	--	--	--	--	--
01/21/75 1515	5001 5000	10 C 597	9.8	7.4	--	3	--	--	0.1 S 16 S	4	--	--	--	--	--	--	--
02/03/75 1410	5001 5000	10 C 562	10.1	--	--	3	--	--	2.0 R 28 S	8	--	--	--	--	--	--	--
03/18/75 1010	5001 5000	12 C 381	9.5	7.5	--	3	--	--	2.7 R 52 S	9	--	--	--	--	--	--	--
04/01/75 1150	5001 5000	12 C 373	9.7	7.7	--	3	--	--	2.3 R 55 S	8	--	--	--	--	--	--	--
04/18/75 1310	5001 5000	14 C 641	9.0	7.6	--	3	--	--	4.8 S	4	--	--	--	--	--	--	--
05/01/75 1235	5001 5000	18 C 695	9.3	7.8	--	3	--	--	3.8 R 42 S	8	--	--	--	--	--	--	--
05/15/75 1115	5001 5000	18 C 420	9.6	7.9	--	3	--	--	60 S	10	--	--	--	--	--	--	--
06/03/75 1600	5001 5000	20 C 211	8.9	7.5	--	3	--	--	2.9 R 62 S	9	--	--	--	--	--	--	--
06/17/75 1525	5001 5000	20 C 153	8.6	7.5	--	3	--	--	60 S	10	--	--	--	--	--	--	--
06/25/75 1225	5001 5000	20 C 541	9.2	7.9	--	3	--	--	13 F	--	--	--	--	--	--	--	--
06/25/75 1226	5001 5000	20 C 541	9.2	7.9	--	3	--	--	79 S	18	--	--	--	--	--	--	--
07/01/75 1435	5001 5000	21 C 708	10.4	8.2	--	3	--	--	78 S	12	--	--	--	--	--	--	--
07/15/75 1400	5001 5000	22 C 837	10.0	8.5	--	3	--	--	5.8 R 85 S	15	--	--	--	--	--	--	--
07/23/75 1200	5001 5C20	26 C 806	9.3	8.2	--	3	--	--	13 F	--	--	--	--	--	--	--	--
07/23/75 1201	5001 5C01	24 C 806	9.3	8.2	--	3	--	--	100 S	20	--	--	--	--	--	--	--
08/12/75 1525	5001 5C00	25.0 C 843	9.9	7.4	--	3	--	--	5.6 R 66 S	17	--	--	--	--	--	--	--
08/26/75 1120	5001 5C00	24 C 643	7.9	7.7	--	3	--	--	58 S	8	--	--	--	--	--	--	--
09/11/75 1315	5001 5C00	22 C 512	7.5	7.8	--	3	--	--	3.3 R 40 S	5	--	--	--	--	--	--	--
09/25/75 1240	5001 5C00	22 C 410	7.3	7.7	--	3	--	--	52 S	6	--	--	--	--	--	--	--
R9 0 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE																	
10/03/74 0945	5001 5C00	19 C 415	6.8	7.8	--	3	--	--	37 S	8	--	--	--	--	--	--	--
10/17/74 0950	5001 5C00	18 C 498	5.7	7.3	--	3	--	--	40 S	10	--	--	--	--	--	--	--
11/07/74 1455	5001 5C00	13 C 278	8.0	7.3	--	--	--	--	26 S	9	--	--	--	--	--	--	--
11/19/74 1245	5001 5C00	13 C 470	8.2	7.6	--	--	--	--	20 S	3	--	--	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T+L CHLOR	0+0 COLOR	ML/L MG/L	800 SUS S	COD V. SUS S	CYANIDE PHENOLS	TOC DOC	100IDE T ODOOR	BROMIDE SULFITE	T SULF G SULF	CC EXT CA EXT
SET 5																	
R9 D 748.3 126.9 OLO RIVER AT TRACY ROAD BRIDGE																	
CONTINUED																	
12/18/74	S001	10 C	8.4	7.4	--	--	--	--	--	22	5	2	--	--	--	--	--
1200	S000	484			--	--	--	--	--	--	--	--	--	--	--	--	--
01/22/75	S001	9 C	9.0	7.4	--	3	--	--	--	16	5	1	--	--	--	--	--
1515	S000	595			--	--	--	--	--	--	--	--	--	--	--	--	--
02/04/75	S001	10 C	10.0	7.7	--	3	--	--	--	25	5	4	--	--	--	--	--
1455	S000	590			--	--	--	--	--	--	--	--	--	--	--	--	--
03/19/75	S001	12 C	9.3	7.6	--	3	--	--	--	31	5	4	--	--	--	--	--
0930	S000	424			--	--	--	--	--	--	--	--	--	--	--	--	--
04/01/75	S001	11 C	9.5	7.7	--	3	--	--	--	37	5	6	--	--	--	--	--
1115	S000	392			--	--	--	--	--	--	--	--	--	--	--	--	--
04/18/75	S001	14 C	10.7	8.2	--	3	--	--	--	27	5	4	--	--	--	--	--
1225	S000	605			--	--	--	--	--	--	--	--	--	--	--	--	--
05/01/75	S001	17 C	10.9	8.2	--	3	--	--	--	39	5	10	--	--	--	--	--
1115	S000	753			--	--	--	--	--	--	--	--	--	--	--	--	--
05/15/75	S001	18 C	9.8	8.1	--	3	--	--	--	50	5	10	--	--	--	--	--
1015	S000	534			--	--	--	--	--	--	--	--	--	--	--	--	--
06/03/75	S001	21 C	10.0	7.7	--	3	--	--	--	62	5	4	--	--	--	--	--
1515	S000	250			--	--	--	--	--	--	--	--	--	--	--	--	--
06/17/75	S001	20 C	8.5	7.7	--	3	--	--	--	63	5	10	--	--	--	--	--
1425	S000	180			--	--	--	--	--	--	--	--	--	--	--	--	--
07/01/75	S001	20 C	11.4	8.7	--	3	--	--	--	62	5	12	--	--	--	--	--
1340	S000	758			--	--	--	--	--	--	--	--	--	--	--	--	--
07/15/75	S001	22 C	7.4	8.2	--	3	--	--	--	73	5	14	--	--	--	--	--
1300	S000	945			--	--	--	--	--	--	--	--	--	--	--	--	--
08/12/75	S001	24 C	9.9	7.4	--	3	--	--	--	65	5	15	--	--	--	--	--
1430	S000	878			--	--	--	--	--	--	--	--	--	--	--	--	--
08/26/75	S001	23 C	8.8	7.8	--	3	--	--	--	54	5	10	--	--	--	--	--
1025	S000	650			--	--	--	--	--	--	--	--	--	--	--	--	--
09/11/75	S001	22 C	8.9	7.6	--	3	--	--	--	48	5	7	--	--	--	--	--
1225	S000	515			--	--	--	--	--	--	--	--	--	--	--	--	--
09/25/75	S001	23 C	5.5	7.5	--	3	--	--	--	52	5	8	--	--	--	--	--
1145	S000	503			--	--	--	--	--	--	--	--	--	--	--	--	--
R9 D 744.8 133.2 WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CT FOREBAY																	
10/03/74	S001	20 C	7.0	7.8	--	3	--	--	--	46	5	6	--	--	--	--	--
1035	S000	304			--	--	--	--	--	--	--	--	--	--	--	--	--
10/17/74	S001	19 C	7.3	7.3	--	3	--	--	--	49	5	9	--	--	--	--	--
1040	S000	235			--	--	--	--	--	--	--	--	--	--	--	--	--
11/07/74	S001	13 C	8.3	7.5	--	3	--	--	--	30	5	10	--	--	--	--	--
1550	S000	500			--	--	--	--	--	--	--	--	--	--	--	--	--
11/19/74	S001	13 C	8.3	7.5	--	3	--	--	--	18	5	0	--	--	--	--	--
1330	S000	526			--	--	--	--	--	--	--	--	--	--	--	--	--
12/18/74	S001	10 C	8.9	7.5	--	3	--	--	--	32	5	4	--	--	--	--	--
1300	S000	403			--	--	--	--	--	--	--	--	--	--	--	--	--
01/22/75	S001	7 C	9.6	7.2	--	3	--	--	--	30	5	4	--	--	--	--	--
1615	S000	432			--	--	--	--	--	--	--	--	--	--	--	--	--
02/04/75	S001	8 C	11.0	7.5	--	3	--	--	--	32	5	3	--	--	--	--	--
1400	S000	354			--	--	--	--	--	--	--	--	--	--	--	--	--
03/18/75	S001	12 C	9.1	7.5	--	3	--	--	--	31	5	4	--	--	--	--	--
1155	S000	412			--	--	--	--	--	--	--	--	--	--	--	--	--
04/01/75	S001	12 C	8.5	7.8	--	3	--	--	--	48	5	6	--	--	--	--	--
1210	S000	377			--	--	--	--	--	--	--	--	--	--	--	--	--
04/16/75	S001	13 C	9.0	7.8	--	3	--	--	--	32	5	5	--	--	--	--	--
1105	S000	284			--	--	--	--	--	--	--	--	--	--	--	--	--
05/01/75	S001	16 C	9.1	7.7	--	3	--	--	--	51	5	10	--	--	--	--	--
1225	S000	233			--	--	--	--	--	--	--	--	--	--	--	--	--
05/15/75	S001	18 C	8.7	7.8	--	3	--	--	--	63	5	10	--	--	--	--	--
1110	S000	235			--	--	--	--	--	--	--	--	--	--	--	--	--
06/03/75	S001	21 C	7.8	7.8	--	3	--	--	--	59	5	7	--	--	--	--	--
1635	S000	291			--	--	--	--	--	--	--	--	--	--	--	--	--
06/17/75	S001	21 C	8.0	7.6	--	3	--	--	--	52	5	8	--	--	--	--	--
1555	S000	220			--	--	--	--	--	--	--	--	--	--	--	--	--
07/01/75	S001	22 C	7.6	7.6	--	3	--	--	--	59	5	9	--	--	--	--	--
1525	S000	227			--	--	--	--	--	--	--	--	--	--	--	--	--
07/15/75	S001	23 C	7.1	7.6	--	3	--	--	--	66	5	8	--	--	--	--	--
1440	S000	208			--	--	--	--	--	--	--	--	--	--	--	--	--
08/12/75	S001	25 C	7.1	7.6	--	3	--	--	--	42	5	9	--	--	--	--	--
1245	S000	178			--	--	--	--	--	--	--	--	--	--	--	--	--
08/25/75	S001	24 C	7.7	7.6	--	3	--	--	--	64	5	11	--	--	--	--	--
1100	S000	208			--	--	--	--	--	--	--	--	--	--	--	--	--
09/11/75	S001	23 C	7.6	8.5	--	3	--	--	--	41	5	6	--	--	--	--	--
1335	S000	221			--	--	--	--	--	--	--	--	--	--	--	--	--
09/26/75	S001	23 C	7.4		--	3	--	--	--	42	4	6	--	--	--	--	--
1315	S000	242			--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP °C	DO G.M.	F-PH L-PH	DISCH MGAS	DEPTH TURN	T+L CHLOR	SET S		BOD SUS S	COD Y SUS S	CYANIDE PHENOLS	TOC DOC	100IDE T OODR	HARDIDE SILFITE	T SULF D SULF	CC EAT CA EAT
								O+G ML/L	CHLOR MG/L								
R9 D 751.9 119.3 SAN JOAQUIN RIVER AT BRANDT BRIDGE																	
10/02/74	5001	19 C	7.3	7.5	--	3	--	--	--	30	4	8	--	--	--	--	--
0915	5050	375	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/16/74	5001	18 C	7.2	7.4	--	3	--	--	--	25	5	10	--	--	--	--	--
0910	5050	430	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/06/74	5001	15 C	8.4	7.4	--	3	--	--	--	22	5	4	--	--	--	--	--
1315	5050	268	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/18/74	5001	13 C	8.6	7.7	--	3	--	--	--	18	5	2	--	--	--	--	--
1150	5050	430	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/17/74	5001	11 C	9.9	7.6	--	3	--	--	--	20	5	2	--	--	--	--	--
1140	5050	374	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/21/75	5001	10 C	10.2	7.4	--	3	--	--	--	15	5	3	--	--	--	--	--
1440	5050	398	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/03/75	5001	10 C	10.4	--	--	3	--	--	--	16	5	2	--	--	--	--	--
1335	5050	445	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R9 D 757.4 131.7 MIDDLE RIVER AT BACON ISLAND BRIDGE																	
10/01/74	5001	21 C	6.1	7.6	--	3	--	--	--	26	4	2	--	--	--	--	--
0950	5050	355	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/16/74	5001	19 C	6.0	7.5	--	3	--	--	--	24	4	8	--	--	--	--	--
0905	5050	326	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/06/74	5001	15 C	7.6	7.4	--	3	--	--	--	34	5	2	--	--	--	--	--
1410	5050	325	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/18/74	5001	14 C	7.0	7.4	--	3	--	--	--	20	4	1	--	--	--	--	--
1215	5050	352	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/17/74	5001	10 C	7.8	--	--	3	--	--	--	21	5	3	--	--	--	--	--
1110	5050	374	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/03/75	5001	8 C	10.6	7.1	--	3	--	--	--	22	5	2	--	--	--	--	--
1325	5050	391	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R9 D 758.2 134.3 OLD RIVER OPPOSITE RANCHO DEL RIO																	
10/01/74	5001	20 C	8.1	7.8	--	3	--	--	--	1.5 H	--	--	--	--	--	--	--
1020	5050	202	--	--	--	--	--	--	--	32	5	2	--	--	--	--	--
10/16/74	5001	19 C	7.9	7.5	--	3	--	--	--	25	5	6	--	--	--	--	--
0935	5050	187	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/06/74	5001	15 C	7.9	7.5	--	3	--	--	--	0.9 H	--	--	--	--	--	--	--
1440	5050	278	--	--	--	--	--	--	--	28	4	4	--	--	--	--	--
11/18/74	5001	14 C	8.1	7.5	--	3	--	--	--	20	5	0	--	--	--	--	--
1305	5050	317	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/17/74	5001	16 C	9.2	--	--	3	--	--	--	1.2 H	--	--	--	--	--	--	--
1155	5050	338	--	--	--	--	--	--	--	27	4	7	--	--	--	--	--
02/03/75	5001	8 C	11.3	7.3	--	3	--	--	--	19	5	2	--	--	--	--	--
1410	5050	255	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/18/75	5001	12 C	9.5	7.5	--	3	--	--	--	1.0 H	--	--	--	--	--	--	--
1050	5050	305	--	--	--	--	--	--	--	31	4	7	--	--	--	--	--
04/01/75	5001	11 C	9.1	7.9	--	3	--	--	--	1.6 H	--	--	--	--	--	--	--
1055	5050	258	--	--	--	--	--	--	--	56	5	7	--	--	--	--	--
04/16/75	5001	14 C	9.2	7.6	--	3	--	--	--	--	--	--	--	--	--	--	--
1005	5050	192	--	--	--	--	--	--	--	34	5	5	--	--	--	--	--
05/01/75	5001	17 C	9.6	7.8	--	3	--	--	--	1.4 H	--	--	--	--	--	--	--
1125	5050	176	--	--	--	--	--	--	--	25	5	6	--	--	--	--	--
05/15/75	5001	18 C	9.3	8.3	--	3	--	--	--	--	--	--	--	--	--	--	--
1015	5050	135	--	--	--	--	--	--	--	46	4	8	--	--	--	--	--
06/03/75	5001	23 C	7.6	7.6	--	3	--	--	--	1.1 H	--	--	--	--	--	--	--
1535	5050	198	--	--	--	--	--	--	--	50	5	5	--	--	--	--	--
06/17/75	5001	21 C	7.0	7.5	--	3	--	--	--	--	--	--	--	--	--	--	--
1455	5050	228	--	--	--	--	--	--	--	47	4	8	--	--	--	--	--
07/01/75	5001	21 C	7.5	7.5	--	3	--	--	--	--	--	--	--	--	--	--	--
1420	5050	175	--	--	--	--	--	--	--	40	5	7	--	--	--	--	--
07/15/75	5001	21 C	7.3	7.6	--	3	--	--	--	1.1 H	--	--	--	--	--	--	--
1340	5050	165	--	--	--	--	--	--	--	33	5	9	--	--	--	--	--
08/12/75	5001	24.0C	7.4	7.9	--	3	--	--	--	1.2 H	--	--	--	--	--	--	--
1155	5050	167	--	--	--	--	--	--	--	38	5	9	--	--	--	--	--
08/25/75	5001	24 C	8.3	7.8	--	3	--	--	--	--	--	--	--	--	--	--	--
1005	5050	222	--	--	--	--	--	--	--	24	5	4	--	--	--	--	--
09/11/75	5001	22 C	8.3	8.5	--	3	--	--	--	1.4 H	--	--	--	--	--	--	--
1215	5050	206	--	--	--	--	--	--	--	30	5	6	--	--	--	--	--
09/26/75	5001	23 C	8.1	--	--	3	--	--	--	--	--	--	--	--	--	--	--
1225	5050	199	--	--	--	--	--	--	--	19	5	4	--	--	--	--	--
R9 D 758.6 138.3 ROCK SLOUGH AT CONTRA COSTA CANAL INTAKE																	
10/03/74	5001	20 C	6.7	7.4	--	3	--	--	--	39	5	6	--	--	--	--	--
0840	5050	191	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/17/74	5001	19 C	6.9	7.3	--	3	--	--	--	33	5	9	--	--	--	--	--
0850	5050	183	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/07/74	5001	14 C	7.9	7.1	--	3	--	--	--	--	--	--	--	--	--	--	--
1355	5050	235	--	--	--	--	--	--	--	32	4	8	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MEAS	DEPTH TURN	T-L CHLOR	O-G COLOR	SET 5	H2S S	COD V. SUS	CYANIDE PHENOLS	TOC DOC	IODIDE T OOR	NITRIDE SULFITE	T SULF O SULF	CC EXT CA EXT
									ML/L MVL								
89 0 758.6 136.3																	
HOCP SLOUGH AT CONTRA COSTA CANAL INTAKE										CONTINUED							
11/19/74 1140	50J1 5020	14 350	C 8.0	7.1	--	3	--	--	--	25	5	2	--	--	--	--	--
12/18/74 1100	50J1 5020	9 406	C 9.0	7.4	--	3	--	--	--	25	5	3	--	--	--	--	--
01/22/75 1415	50J1 5020	7 325	C 9.7	7.3	--	3	--	--	--	22	5	2	--	--	--	--	--
02/04/75 1350	50J1 5020	8 294	C 11.1	7.2	--	3	--	--	--	27	5	4	--	--	--	--	--
89 0 758.7 122.9																	
SAN JOAQUIN RIVER AT RUCKLEY COVE																	
10/01/74 0850	50J1 5020	26 388	C 7.1	7.7	--	3	--	--	--	5.0 R 5	5	0	--	--	--	--	--
10/16/74 0750	50J1 5020	18 510	C 5.9	7.7	--	3	--	--	--	28	5	7	--	--	--	--	--
11/06/74 1310	50J1 5020	15 313	C 8.0	7.6	--	3	--	--	--	3.1 R 20	5	7	--	--	--	--	--
11/18/74 1115	50J1 5020	14 405	C 8.7	7.6	--	3	--	--	--	12	5	0	--	--	--	--	--
12/17/74 1005	50J1 5020	10 370	C 9.0	7.2	--	3	--	--	--	1.6 R 20	5	5	--	--	--	--	--
02/03/75 1225	50J1 5020	9 508	C 11.1	7.4	--	3	--	--	--	2.9 R 14	5	8	--	--	--	--	--
03/18/75 0935	50J1 5020	11 335	C 9.2	7.5	--	3	--	--	--	2.6 R 32	5	7	--	--	--	--	--
04/01/75 0915	50J1 5020	12 315	C 8.6	7.7	--	3	--	--	--	2.1 R 46	5	7	--	--	--	--	--
04/16/75 0835	50J1 5020	15 395	C 8.7	7.2	--	3	--	--	--	22	5	3	--	--	--	--	--
05/01/75 0955	50J1 5020	17 549	C 9.9	8.1	--	3	--	--	--	4.0 R 26	5	8	--	--	--	--	--
05/15/75 0855	50J1 5020	20 453	C 8.7	8.2	--	3	--	--	--	35	5	9	--	--	--	--	--
06/03/75 1400	50J1 5020	22 333	C 8.5	8.1	--	3	--	--	--	3.2 R 45	5	4	--	--	--	--	--
06/17/75 1330	50J1 5020	22 167	C 7.5	7.6	--	3	--	--	--	53	5	18	--	--	--	--	--
07/01/75 1305	50J1 5020	23 415	C 6.4	7.5	--	3	--	--	--	31	5	6	--	--	--	--	--
07/15/75 1200	50J1 5020	24 560	C 6.6	7.7	--	3	--	--	--	2.4 R 26	5	7	--	--	--	--	--
08/12/75 1015	50J1 5020	26.0 C 426	8.3	8.6	--	3	--	--	--	2.7 R 38	5	11	--	--	--	--	--
08/25/75 0855	50J1 5020	24 506	C 5.3	7.6	--	3	--	--	--	25	5	8	--	--	--	--	--
09/11/75 1100	50J1 5020	24 620	C 5.0	8.2	--	3	--	--	--	4.5 R 27	5	7	--	--	--	--	--
09/26/75 1105	50J1 5020	24 512	C 2.5		--	3	--	--	--	16	5	5	--	--	--	--	--
89 0 758.8 126.5																	
TURNER CUT AT McDONALD ISLAND FERRY																	
3/25/74 1010	50J1 5020	15 408	C 7.3	7.3	--	3	--	--	--	--	--	--	--	--	--	--	--
10/01/74 0925	50J1 5020	21 403	C 4.5	7.5	--	3	--	--	--	24	5	2	--	--	--	--	--
10/16/74 0820	50J1 5020	18 435	C 4.6	7.6	--	3	--	--	--	37	5	8	--	--	--	--	--
11/06/74 1340	50J1 5020	15 366	C 7.1	7.4	--	3	--	--	--	37	5	10	--	--	--	--	--
11/18/74 1150	50J1 5020	14 378	C 7.0	7.5	--	3	--	--	--	24	5	1	--	--	--	--	--
12/17/74 1040	50J1 5020	11 348	C 8.0		--	3	--	--	--	31	5	5	--	--	--	--	--
02/03/75 1300	50J1 5020	9 462	C 10.6	7.2	--	3	--	--	--	22	5	3	--	--	--	--	--
89 0 861.1 142.6																	
BIG BREAK NEAR OAKLEY																	
10/09/74 1205	50J1 5020	18 166	C 9.4	7.9	--	3	--	--	--	6.2 R 28	5	10	--	--	--	--	--
10/23/74 1140	50J1 5020	18 142	C 9.0	7.8	--	3	--	--	--	36	5	5	--	--	--	--	--
11/21/74 1200	50J1 5020	15 182	C 9.2	7.6	--	3	--	--	--	1.0 R 10	5	7	--	--	--	--	--
12/11/74 1535	50J1 5020	10 177	C 9.4	7.2	--	3	--	--	--	1.4 R 14	5	4	--	--	--	--	--
01/08/75 1425	50J1 5020	8 231	C 11.3	7.9	--	3	--	--	--	1.6 R 38	5	7	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T-L CHLO	SET S ML/L COLOR MG/L	BOD SUS S	COD SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T DOOR	BROMIDE SILFITE	T SULF D SULF	CC EXT CA EXT
R9 D 061.1 142-6					RIG BREAK NEAR OAKLEY					CONTINUED						
02/06/75 1445	S-01 S-00	9 C 219	11.0	7.7	--	3	--	--	1.3 C 22 S	--	--	--	--	--	--	--
03/20/75 1055	S-01 S-00	11 C 256	10.1	7.0	--	3	--	--	1.1 R 46 S	7	--	--	--	--	--	--
04/03/75 1145	S-01 S-00	12 C 263	10.1	7.9	--	3	--	--	1.5 R 46 S	4	--	--	--	--	--	--
04/23/75 1605	S-01 S-00	1A C 178	10.3	8.0	--	3	--	--	-- S 34 S	5	--	--	--	--	--	--
05/09/75 1625	S-01 S-00	1A C 143	11.0	8.8	--	3	--	--	2.7 R 26 S	4	--	--	--	--	--	--
05/22/75 1640	S-01 S-00	20 C 160	10.0	8.4	--	3	--	--	-- S 32 S	7	--	--	--	--	--	--
06/05/75 1700	S-01 S-00	21 C 173	8.4	8.0	--	3	--	--	2.2 H 6R S	8	--	--	--	--	--	--
06/19/75 1450	S-01 S-00	20 C 152	8.6	7.6	--	3	--	--	-- S 46 S	5	--	--	--	--	--	--
07/03/75 1400	S-01 S-00	21 C 152	8.7	7.9	--	3	--	--	-- S 38 S	6	--	--	--	--	--	--
07/17/75 1505	S-01 S-00	21 C 176	8.5	7.8	--	3	--	--	0.9 R 39 S	7	--	--	--	--	--	--
08/14/75 1200	S-01 S-00	21 C 330	8.9	8.3	--	3	--	--	1.1 R 43 S	10	--	--	--	--	--	--
08/27/75 0920	S-01 S-00	20 C 350	8.3	8.1	--	3	--	--	-- S 46 S	7	--	--	--	--	--	--
09/03/75 1725	S-01 S-00	25 C 258	9.6	8.3	--	3	--	--	1.5 C 21 S	5	--	--	--	--	--	--
09/17/75 1635	S-01 S-00	21 C 243	9.1	8.1	--	3	--	--	-- S 35 S	6	--	--	--	--	--	--
R9 D 061.2 144-5					SAN JOAQUIN RIVER AT ANTILOC SHIP CHANNEL											
10/09/74 1135	S-01 S-00	19 C 178	8.6	7.9	--	3	--	--	1.9 R 38 S	11	--	--	--	--	--	--
10/09/74 1136	S-01 S-00	20 C 183	--	--	--	34	--	--	-- S 73 S	15	--	--	--	--	--	--
10/23/74 1105	S-01 S-00	1A C 175	8.2	7.7	--	3	--	--	-- S 40 S	11	--	--	--	--	--	--
10/23/74 1106	S-01 S-00	1A C 176	--	--	--	35	--	--	-- S 53 S	8	--	--	--	--	--	--
11/21/74 1135	S-01 S-00	14 C 175	8.4	7.8	--	3	--	--	0.8 R 20 S	8	--	--	--	--	--	--
11/21/74 1136	S-01 S-00	14 C 173	--	--	--	30	--	--	-- S 54 S	14	--	--	--	--	--	--
12/11/74 1505	S-01 S-00	10 C 138	9.4	7.5	--	3	--	--	1.1 R 28 S	4	--	--	--	--	--	--
12/11/74 1506	S-01 S-00	10 C 147	--	--	--	33	--	--	-- S 37 S	6	--	--	--	--	--	--
01/08/75 1355	S-01 S-00	8 C 273	11.5	7.8	--	3	--	--	1.6 R 48 S	6	--	--	--	--	--	--
01/08/75 1356	S-01 S-00	8 C 269	--	--	--	35	--	--	-- S 46 S	7	--	--	--	--	--	--
02/06/75 1415	S-01 S-00	9 C 342	10.4	7.7	--	3	--	--	1.3 R 34 S	6	--	--	--	--	--	--
02/06/75 1416	S-01 S-00	9 C 341	--	--	--	34	--	--	-- S 47 S	8	--	--	--	--	--	--
03/20/75 1025	S-01 S-00	12 C 222	9.7	7.6	--	3	--	--	1.0 R 55 S	8	--	--	--	--	--	--
03/20/75 1026	S-01 S-00	12 C 218	--	--	--	31	--	--	-- S 61 S	5	--	--	--	--	--	--
04/03/75 1115	S-01 S-00	12 C 185	10.1	7.8	--	3	--	--	1.3 R 59 S	4	--	--	--	--	--	--
04/03/75 1116	S-01 S-00	12 C 188	--	--	--	35	--	--	-- S 80 S	6	--	--	--	--	--	--
04/23/75 1535	S-01 S-00	1A C 179	9.7	7.9	--	3	--	--	-- S 41 S	9	--	--	--	--	--	--
04/23/75 1536	S-01 S-00	1A C 181	--	--	--	30	--	--	-- S 53 S	5	--	--	--	--	--	--
05/08/75 1555	S-01 S-00	1A C 166	10.1	8.1	--	3	--	--	2.1 R 43 S	6	--	--	--	--	--	--
05/08/75 1556	S-01 S-00	17 C 163	--	--	--	30	--	--	-- S 56 S	10	--	--	--	--	--	--
05/22/75 1605	S-01 S-00	1R C 179	9.5	8.2	--	3	--	--	-- S 32 S	7	--	--	--	--	--	--
05/22/75 1606	S-01 S-00	19 C 165	--	--	--	49	--	--	-- S 33 S	8	--	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO % SAT	F-PH L-PM	DISCH MGAS	DEPTH TURB	T-L CHLOR	SET S O+G COLOR	ML/L PH/L	H2O SUS S	COO SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T ODO	BARIUM SULFITE	T SULF D SULF	CC EXT CA EXT
R9 D 801.2 144.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL																	CONTINUED
06/05/75 1625	S001 5:30	21 C 167	8.7	8.0	--	3	--	--	--	1.3 B 38 S	5	--	--	--	--	--	--
06/05/75 1626	S001 5:30	22 C 169			--	32	--	--	--	6.9 S	6	--	--	--	--	--	--
06/19/75 1420	S001 5:30	20 C 157	8.3	7.7	--	3	--	--	--	4.7 S	7	--	--	--	--	--	--
06/19/75 1421	S001 5:30	20 C 157			--	31	--	--	--	4.9 S	7	--	--	--	--	--	--
07/03/75 1335	S001 5:30	20 C 169	8.8	7.8	--	3	--	--	--	36 S	6	--	--	--	--	--	--
07/03/75 1336	S001 5:30	22 C 260			--	32	--	--	--	42 S	7	--	--	--	--	--	--
07/17/75 1430	S001 5:30	22 C 426	7.6	7.9	--	3	--	--	--	1.0 B 40 S	7	--	--	--	--	--	--
07/17/75 1431	S001 5:30	23 C 459			--	21	--	--	--	52 S	8	--	--	--	--	--	--
08/14/75 1130	S001 5:30	21 C 1150	8.1	8.1	--	3	--	--	--	1.6 B 59 S	12	--	--	--	--	--	--
08/14/75 1131	S001 5:30	21 C 1370			--	33	--	--	--	72 S	12	--	--	--	--	--	--
08/27/75 0855	S001 5:30	22 C 707	7.4	7.9	--	3	--	--	--	55 S	8	--	--	--	--	--	--
08/27/75 0856	S001 5:30	21 C 775			--	27	--	--	--	55 S	6	--	--	--	--	--	--
09/03/75 1640	S001 5:30	22 C 527	7.4	7.8	--	3	--	--	--	1.0 C 36 S	7	--	--	--	--	--	--
09/03/75 1641	S001 5:30	24 C 851			--	32	--	--	--	78 S	12	--	--	--	--	--	--
09/17/75 1605	S001 5:30	20 C 4.9	8.0	8.0	--	3	--	--	--	37 S	6	--	--	--	--	--	--
09/17/75 1606	S001 5:30	20 C 471			--	34	--	--	--	60 S	6	--	--	--	--	--	--
R9 O 802.6 125.1 DISAPPOINTMENT SLOUGH AT BISHOP CUT																	
10/02/74 0800	S001 5:30	20 C 172	6.8	7.2	--	3	--	--	--	41 S	9	--	--	--	--	--	--
10/16/74 0745	S001 5:30	17 C 142	7.1	7.2	--	3	--	--	--	36 S	10	--	--	--	--	--	--
11/06/74 1225	S001 5:30	15 C 231	7.4	7.3	--	3	--	--	--	26 S	3	--	--	--	--	--	--
11/18/74 1040	S001 5:30	14 C 247	7.6	7.4	--	3	--	--	--	31 S	5	--	--	--	--	--	--
12/17/74 1015	S001 5:30	10 C 277	7.4	7.4	--	3	--	--	--	27 S	6	--	--	--	--	--	--
01/21/75 1335	S001 5:30	8 C 372	8.4	7.2	--	3	--	--	--	29 S	6	--	--	--	--	--	--
02/03/75 1240	S001 5:30	8 C 407	10.7		--	3	--	--	--	32 S	4	--	--	--	--	--	--
03/18/75 0805	S001 5:30	11 C 289	7.2	8.1	--	3	--	--	--	66 S	9	--	--	--	--	--	--
04/01/75 0955	S001 5:30	11 C 365	9.0	7.7	--	3	--	--	--	46 S	8	--	--	--	--	--	--
04/18/75 1020	S001 5:30	14 C 317	9.9	7.8	--	3	--	--	--	38 S	5	--	--	--	--	--	--
05/01/75 1005	S001 5:30	17 C 229	9.7	7.7	--	3	--	--	--	39 S	7	--	--	--	--	--	--
05/15/75 0830	S001 5:30	17 C 144	7.7	7.4	--	3	--	--	--	63 S	10	--	--	--	--	--	--
06/03/75 1345	S001 5:30	22 C 185	7.2	7.3	--	3	--	--	--	52 S	4	--	--	--	--	--	--
06/17/75 1255	S001 5:30	21 C 215	6.6	7.5	--	3	--	--	--	63 S	9	--	--	--	--	--	--
07/01/75 1205	S001 5:30	22 C 234	6.2	7.7	--	3	--	--	--	54 S	8	--	--	--	--	--	--
07/15/75 1130	S001 5:30	22 C 237	5.8	8.1	--	3	--	--	--	64 S	9	--	--	--	--	--	--
08/12/75 1135	S001 5:30	21 C 260	7.1	6.8	--	3	--	--	--	50 S	11	--	--	--	--	--	--
08/26/75 0905	S001 5:30	24 C 228	6.0	7.4	--	3	--	--	--	36 S	7	--	--	--	--	--	--
09/11/75 1035	S001 5:30	22 C 221	7.1	7.7	--	3	--	--	--	24 S	3	--	--	--	--	--	--
09/25/75 1020	S001 5:30	23 C 258	6.1	7.6	--	3	--	--	--	35 S	8	--	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MBAS	DEPTH TURR	T-L CM/PH	ORP COLOUR	SET S M/L MG/L	BOD SUS S	COD SUS S	CYANIDE PHENOLS	TDC DOC	IODIDE T DOOR	AMMONIUM SULFITE	T SULF O SULF	CC EAT CA EAT
89 0 802.6 136.8 FRANKS TRACT NEAR RUSSELLS LANDING																	
10/08/74 1205	50U1 5050	18 C 105	8.8	7.9	--	3	--	--	--	27	5	3	--	--	--	--	--
10/22/74 1235	50U1 5050	18 C 138	8.8	7.7	--	3	--	--	--	22	5	--	--	--	--	--	--
11/20/74 1120	50U1 5030	15 C 201	9.0	7.7	--	3	--	--	--	9	5	4	--	--	--	--	--
12/10/74 1530	50U1 5030	10 C 202	9.6	7.6	--	3	--	--	--	16	5	7	--	--	--	--	--
01/07/75 1445	50U1 5050	7 C 209	11.2	7.6	--	3	--	--	--	17	5	1	--	--	--	--	--
02/05/75 1355	50U1 5050	8 C 211	11.0	7.3	--	3	--	--	--	23	5	5	--	--	--	--	--
03/19/75 1035	50U1 5050	12 C 263		7.6	--	3	--	--	--	40	5	4	--	--	--	--	--
04/02/75 1055	50U1 5050	12 C 206	10.1	7.8	--	3	--	--	--	41	5	5	--	--	--	--	--
04/22/75 1605	50U1 5050	15 C 108	10.0	7.8	--	3	--	--	--	29	5	4	--	--	--	--	--
05/07/75 1610	50U1 5050	17 C 139	10.5	8.2	--	3	--	--	--	42	5	8	--	--	--	--	--
05/21/75 1525	50U1 5030	18 C 137	9.9	8.2	--	3	--	--	--	40	5	10	--	--	--	--	--
06/04/75 1440	50U1 5050	24 C 167	10.0	8.4	--	3	--	--	--	30	5	4	--	--	--	--	--
06/18/75 1410	50U1 5050	21 C 154	8.6	7.8	--	3	--	--	--	47	5	8	--	--	--	--	--
07/02/75 1310	50U1 5050	21 C 146	8.5	7.8	--	3	--	--	--	38	5	7	--	--	--	--	--
07/16/75 1435	50U1 5050	22 C 163	7.9	7.9	--	3	--	--	--	40	5	9	--	--	--	--	--
08/13/75 1120	50U1 5050	22 C 202	8.4	8.0	--	3	--	--	--	42	5	10	--	--	--	--	--
08/26/75 1000	50U1 5050	22 C 211	8.3	8.0	--	3	--	--	--	37	5	6	--	--	--	--	--
09/02/75 1550	50U1 5030	24 C 236	10.2	8.5	--	3	--	--	--	20	5	3	--	--	--	--	--
09/16/75 1610	50U1 5050	21 C 204	9.5	8.2	--	3	--	--	--	20	5	3	--	--	--	--	--
89 0 802.6 147.6 SHERMAN LAKE NEAR ANTIOCH																	
10/08/74 1020	50U1 5050	19 C 186	8.2	7.8	--	3	--	--	--	34	5	2	--	--	--	--	--
10/22/74 1045	50U1 5050	18 C 160	8.3	7.6	--	3	--	--	--	22	5	3	--	--	--	--	--
11/20/74 0935	50U1 5050	14 C 184	8.7	7.7	--	3	--	--	--	11	5	3	--	--	--	--	--
12/10/74 1325	50U1 5030	10 C 148	9.5	7.6	--	3	--	--	--	23	5	7	--	--	--	--	--
01/07/75 1240	50U1 5050	7 C 235	12.1	7.6	--	3	--	--	--	19	5	1	--	--	--	--	--
02/05/75 1145	50U1 5030	9 C 294	10.8	7.2	--	3	--	--	--	26	5	3	--	--	--	--	--
03/19/75 0800	50U1 5050	11 C 197	10.1	7.6	--	3	--	--	--	62	5	5	--	--	--	--	--
04/02/75 0835	50U1 5050	11 C 149	10.0	7.7	--	3	--	--	--	74	5	6	--	--	--	--	--
04/22/75 1340	50U1 5050	14 C 180	9.5	7.9	--	3	--	--	--	46	5	5	--	--	--	--	--
05/07/75 1420	50U1 5050	16 C 141	9.7	7.8	--	3	--	--	--	51	5	8	--	--	--	--	--
05/21/75 1335	50U1 5030	17 C 144	9.4	8.1	--	3	--	--	--	42	5	6	--	--	--	--	--
06/04/75 1300	50U1 5050	21 C 158	8.8	7.8	--	3	--	--	--	30	5	3	--	--	--	--	--
06/18/75 1220	50U1 5050	20 C 140	8.6	7.8	--	3	--	--	--	64	5	9	--	--	--	--	--
07/02/75 1110	50U1 5030	20 C 159	8.7	8.0	--	3	--	--	--	46	5	6	--	--	--	--	--
07/16/75 1050	50U1 5030	21 C 425	8.0	7.8	--	3	--	--	--	42	5	7	--	--	--	--	--
08/13/75 0930	50U1 5030	20 C 876	8.2	8.0	--	3	--	--	--	71	5	12	--	--	--	--	--
08/26/75 0720	50U1 5030	21 C 832	8.1	7.9	--	3	--	--	--	64	5	13	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISC MBAS	DEPTH TURB	T-AL CHLOR	SET S H/L COLOR	800 SUS S	COO V SUS S	CYANIDE PHENDLS	TOC DOC	100IDE T ODDR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
89 D 802.6 147.6 SHERMAN LAKE NEAR ANTIJOCH CONTINUED																
09/02/75 1400	5001 5190	20 C	8.0	7.9	--	3	--	--	40	5	--	--	--	--	--	--
09/16/75 1410	5001 5190	20 C	8.3	8.0	--	3	--	--	4	5	3	--	--	--	--	--
89 D 802.9 132.0 SAN JUAQUIN RIVER NEAR MOUTH OF MIDDLE RIVER																
10/01/75 0800	5001 5190	20 C	7.9	7.6	--	3	--	--	26	5	3	--	--	--	--	--
10/16/75 0700	5001 5190	18 C	7.8	7.6	--	3	--	--	24	5	8	--	--	--	--	--
11/05/75 1230	5001 5190	18 C	8.1	7.4	--	3	--	--	19	5	2	--	--	--	--	--
11/16/75 1030	5001 5190	14 C	8.2	7.7	--	3	--	--	14	5	0	--	--	--	--	--
12/17/75 0905	5001 5190	10 C	9.1	7.2	--	3	--	--	20	5	6	--	--	--	--	--
02/03/75 1130	5001 5190	8 C	11.5	7.3	--	3	--	--	17	5	2	--	--	--	--	--
89 D 803.1 141.3 SAN JUAQUIN RIVER AT JERSEY POINT																
10/08/75 1145	5001 5190	19 C	8.6	8.0	--	3	--	--	18	5	1	--	--	--	--	--
10/22/75 1210	5001 5190	18 C	8.4	7.7	--	3	--	--	23	5	4	--	--	--	--	--
11/20/75 1100	5001 5190	13 C	9.1	7.7	--	3	--	--	13	5	4	--	--	--	--	--
12/10/75 1500	5001 5190	11 C	9.6	7.6	--	3	--	--	10	5	8	--	--	--	--	--
01/07/75 1420	5001 5190	7 C	11.0	7.7	--	3	--	--	10	5	3	--	--	--	--	--
02/05/75 1330	5001 5190	8 C	10.4	7.4	--	3	--	--	24	5	7	--	--	--	--	--
03/19/75 1010	5001 5190	11 C	9.7	7.6	--	3	--	--	58	5	5	--	--	--	--	--
04/02/75 1025	5001 5190	11 C	10.3	7.7	--	3	--	--	68	5	6	--	--	--	--	--
04/22/75 1640	5001 5190	14 C	9.4	7.8	--	3	--	--	32	5	5	--	--	--	--	--
05/07/75 1550	5001 5190	14 C	10.1	8.0	--	3	--	--	40	5	8	--	--	--	--	--
05/21/75 1500	5001 5190	17 C	9.3	8.0	--	3	--	--	32	5	5	--	--	--	--	--
06/04/75 1420	5001 5190	21 C	8.7	7.9	--	3	--	--	184	5	4	--	--	--	--	--
06/18/75 1345	5001 5190	20 C	8.5	8.0	--	3	--	--	40	5	8	--	--	--	--	--
07/02/75 1245	5001 5190	20 C	8.5	7.8	--	3	--	--	44	5	5	--	--	--	--	--
07/16/75 1215	5001 5190	22 C	8.4	7.9	--	3	--	--	34	5	7	--	--	--	--	--
08/13/75 1100	5001 5190	22 C	8.0	8.0	--	3	--	--	38	5	9	--	--	--	--	--
08/26/75 0935	5001 5190	22 C	8.2	7.8	--	3	--	--	32	5	5	--	--	--	--	--
09/09/75 1510	5001 5190	22 C	8.2	8.0	--	3	--	--	21	5	3	--	--	--	--	--
09/16/75 1540	5001 5190	28 C	8.3	8.0	--	3	--	--	22	5	4	--	--	--	--	--
89 D 803.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO																
10/08/75 1000	5001 5190	19 C	8.7	7.7	--	3	--	--	29	5	2	--	--	--	--	--
10/22/75 1015	5001 5190	18 C	8.0	7.7	--	3	--	--	35	5	4	--	--	--	--	--
11/20/75 0900	5001 5190	13 C	9.1	7.7	--	3	--	--	20	5	0	--	--	--	--	--
12/10/75 1305	5001 5190	11 C	9.8	7.6	--	3	--	--	40	5	10	--	--	--	--	--
01/07/75 1215	5001 5190	7 C	11.1	7.2	--	3	--	--	1.2	8	3	--	--	--	--	--
02/05/75 1120	5001 5190	8 C	10.4	7.3	--	3	--	--	1.5	8	7	--	--	--	--	--
03/19/75 0730	5001 5190	11 C	10.1	7.6	--	3	--	--	1.3	8	19	--	--	--	--	--
04/02/75 0800	5001 5190	11 C	9.4	7.9	--	3	--	--	1.4	8	8	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MBAS	DEPTH TURB	T-AL CHLOR	SET 5 O-D ML/L COLOP MO/L	BOD SUS 5	COD Y SUS 5	CYANIDE PHENOLS	TOC DOC	10010E T QUOR	BROMIDE SULFITE	T SULF O SULF	CC EAT CA EAT
49 0 803.8 149.2 SACHAMENTO RIVER ABOVE POINT SACHAMENTO CONTINUED																
04/22/75	5001	14	C	9.9	7.9	--	3	--	--	--	--	--	--	--	--	--
1305	5030	174				--	3	--	--	--	--	--	--	--	--	--
05/07/75	5001	14	C	9.4	7.8	--	3	--	--	--	--	--	--	--	--	--
1345	5030	146				--	3	--	--	--	--	--	--	--	--	--
05/21/75	5001	17	C	9.2	8.0	--	3	--	--	--	--	--	--	--	--	--
1300	5050	139				--	3	--	--	--	--	--	--	--	--	--
06/04/75	5001	26	C	8.4	7.9	--	3	--	--	--	--	--	--	--	--	--
1235	5030	163				--	3	--	--	--	--	--	--	--	--	--
06/18/75	5001	22	C	8.4	7.8	--	3	--	--	--	--	--	--	--	--	--
1145	5050	132				--	3	--	--	--	--	--	--	--	--	--
07/02/75	5001	20	C	8.5	7.9	--	3	--	--	--	--	--	--	--	--	--
1040	5030	168				--	3	--	--	--	--	--	--	--	--	--
07/16/75	5001	21	C	7.7	7.8	--	3	--	--	--	--	--	--	--	--	--
1015	5030	541				--	3	--	--	--	--	--	--	--	--	--
08/13/75	5001	21	C	8.1	8.0	--	3	--	--	--	--	--	--	--	--	--
0915	5030	1750				--	3	--	--	--	--	--	--	--	--	--
08/26/75	5001	21	C	8.2	7.9	--	3	--	--	--	--	--	--	--	--	--
0850	5050	912				--	3	--	--	--	--	--	--	--	--	--
09/02/75	5001	22	C	8.0	7.9	--	3	--	--	--	--	--	--	--	--	--
1345	5030	190				--	3	--	--	--	--	--	--	--	--	--
09/16/75	5001	20	C	8.7	8.0	--	3	--	--	--	--	--	--	--	--	--
1420	5030	354				--	3	--	--	--	--	--	--	--	--	--
49 0 804.7 134.0 SAN JOAQUIN RIVER AT POTATO POINT																
10/08/74	5001	18	C	8.5	7.7	--	3	--	--	--	--	--	--	--	--	--
1220	5030	144				--	3	--	--	--	--	--	--	--	--	--
10/22/74	5001	17	C	8.2	7.5	--	3	--	--	--	--	--	--	--	--	--
1250	5030	132				--	3	--	--	--	--	--	--	--	--	--
11/20/74	5001	13	C	8.4	7.6	--	3	--	--	--	--	--	--	--	--	--
1140	5030	169				--	3	--	--	--	--	--	--	--	--	--
01/07/75	5001	7	C	11.2	7.6	--	3	--	--	--	--	--	--	--	--	--
1510	5030	193				--	3	--	--	--	--	--	--	--	--	--
02/05/75	5001	8	C	11.0	7.3	--	3	--	--	--	--	--	--	--	--	--
1415	5030	186				--	3	--	--	--	--	--	--	--	--	--
03/19/75	5001	11	C	9.5	7.6	--	3	--	--	--	--	--	--	--	--	--
1050	5030	232				--	3	--	--	--	--	--	--	--	--	--
04/02/75	5001	12	C	10.2	7.7	--	3	--	--	--	--	--	--	--	--	--
1125	5030	143				--	3	--	--	--	--	--	--	--	--	--
04/22/75	5001	14	C	9.4	7.8	--	3	--	--	--	--	--	--	--	--	--
1025	5030	168				--	3	--	--	--	--	--	--	--	--	--
05/07/75	5001	16	C	9.6	7.7	--	3	--	--	--	--	--	--	--	--	--
1630	5030	122				--	3	--	--	--	--	--	--	--	--	--
05/21/75	5001	17	C	8.9	7.8	--	3	--	--	--	--	--	--	--	--	--
1540	5030	143				--	3	--	--	--	--	--	--	--	--	--
06/04/75	5001	21	C	8.0	7.7	--	3	--	--	--	--	--	--	--	--	--
1455	5030	161				--	3	--	--	--	--	--	--	--	--	--
06/18/75	5001	21	C	7.4	7.6	--	3	--	--	--	--	--	--	--	--	--
1425	5030	137				--	3	--	--	--	--	--	--	--	--	--
07/02/75	5001	21	C	8.2	7.7	--	3	--	--	--	--	--	--	--	--	--
1330	5030	145				--	3	--	--	--	--	--	--	--	--	--
07/16/75	5001	23	C	7.7	7.7	--	3	--	--	--	--	--	--	--	--	--
1255	5030	149				--	3	--	--	--	--	--	--	--	--	--
08/13/75	5001	22	C	8.0	7.9	--	3	--	--	--	--	--	--	--	--	--
1140	5030	152				--	3	--	--	--	--	--	--	--	--	--
08/26/75	5001	22	C	7.4	7.4	--	3	--	--	--	--	--	--	--	--	--
1015	5030	169				--	3	--	--	--	--	--	--	--	--	--
09/02/75	5001	22	C	8.2	7.8	--	3	--	--	--	--	--	--	--	--	--
1615	5030	160				--	3	--	--	--	--	--	--	--	--	--
09/16/75	5001	20	C	8.4	7.4	--	3	--	--	--	--	--	--	--	--	--
1650	5030	168				--	3	--	--	--	--	--	--	--	--	--
49 0 805.0 124.1 WHITE SLOUGH AT COMPTON FERRY (SITE)																
10/02/74	5001	18	C	7.4	7.3	--	3	--	--	--	--	--	--	--	--	--
0715	5030	112				--	3	--	--	--	--	--	--	--	--	--
10/16/74	5001	16	C	8.4	7.1	--	3	--	--	--	--	--	--	--	--	--
0705	5030	77				--	3	--	--	--	--	--	--	--	--	--
11/04/74	5001	14	C	8.3	7.2	--	3	--	--	--	--	--	--	--	--	--
1140	5030	112				--	3	--	--	--	--	--	--	--	--	--
11/18/74	5001	13	C	8.7	7.3	--	3	--	--	--	--	--	--	--	--	--
0555	5030	95				--	3	--	--	--	--	--	--	--	--	--
12/17/74	5001	9	C	9.7	7.3	--	3	--	--	--	--	--	--	--	--	--
0930	5030	153				--	3	--	--	--	--	--	--	--	--	--
01/21/75	5001	8	C	10.0	7.3	--	3	--	--	--	--	--	--	--	--	--
1250	5030	195				--	3	--	--	--	--	--	--	--	--	--
02/03/75	5001	8	C	11.2		--	3	--	--	--	--	--	--	--	--	--
1200	5030	208				--	3	--	--	--	--	--	--	--	--	--

TABLE 0-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP C	DO G.M.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T+L CHLOR	SET 5 ML/L COLOR MG/L	800 SUS S	CON V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T DOOR	BROMIDE SILFITE	T SULF D SULF	CC EXT CA EXT
R9 D 805.1 144.3 SACRAMENTO RIVER AT ENHATON																
10/08/74	5001	1A	C	8.7	7.8		3	--	--	--	--	--	--	--	--	--
1040	5050	148				--			24	5	1					
10/22/74	5001	17	C	8.7	7.6		3	--	--	--	--	--	--	--	--	--
1110	5050	135				--			24	5	3					
11/20/74	5001	13	C	9.5	7.7		3	--	--	--	--	--	--	--	--	--
0955	5050	141				--			10	5	3					
12/10/74	5001	10	C	9.6	7.6		3	--	--	--	--	--	--	--	--	--
1350	5050	133				--			18	5	7					
01/07/75	5001	7	C	10.8	7.6		3	--	--	--	--	--	--	--	--	--
1305	5050	191				--			21	5	4					
02/05/75	5001	8	C	10.8	7.3		3	--	--	--	--	--	--	--	--	--
1220	5050	174				--			52	5	6					
03/19/75	5001	11	C	10.2	7.6		3	--	--	--	--	--	--	--	--	--
0825	5050	189				--			57	5	16					
04/02/75	5001	11	C	10.1	7.8		3	--	--	--	--	--	--	--	--	--
0805	5050	149				--			94	5	9					
04/22/75	5001	14	C	9.8	7.9		3	--	--	--	--	--	--	--	--	--
1415	5050	172				--			57	5	6					
05/07/75	5001	15	C	9.6	7.7		3	--	--	--	--	--	--	--	--	--
1440	5050	131				--			38	5	7					
05/21/75	5001	17	C	9.2	7.9		3	--	--	--	--	--	--	--	--	--
1355	5050	138				--			36	5	5					
06/04/75	5001	20	C	8.6	7.9		3	--	--	--	--	--	--	--	--	--
1320	5050	155				--			30	5	2					
06/18/75	5001	20	C	8.6	7.7		3	--	--	--	--	--	--	--	--	--
1240	5050	128				--			42	5	8					
07/02/75	5001	19	C	8.8	7.9		3	--	--	--	--	--	--	--	--	--
1135	5050	150				--			31	5	4					
07/16/75	5001	22	C	8.2	8.0		3	--	--	--	--	--	--	--	--	--
1110	5050	165				--			34	5	7					
08/13/75	5001	21	C	8.2	8.0		3	--	--	--	--	--	--	--	--	--
0955	5050	238				--			52	5	10					
08/26/75	5001	21	C	8.3	8.0		3	--	--	--	--	--	--	--	--	--
0750	5050	246				--			46	5	8					
09/02/75	5001	22	C	8.5	7.9		3	--	--	--	--	--	--	--	--	--
1420	5050	240				--			25	5	4					
09/16/75	5001	20	C	8.8	8.0		3	--	--	--	--	--	--	--	--	--
1440	5050	238				--			23	5	4					
R9 D 805.8 140.1 SAN JOAQUIN RIVER AT MITCHELL ISLAND																
10/08/74	5001	19	C	8.8	8.0		3	--	--	--	--	--	--	--	--	--
1300	5050	151				--			1.0	8	2					
10/22/74	5001	17	C	8.7	7.7		3	--	--	--	--	--	--	--	--	--
1325	5050	132				--			15	5	4					
11/20/74	5001	13	C	9.0	7.7		3	--	--	--	--	--	--	--	--	--
1225	5050	162				--			1.1	8						
12/10/74	5001	10	C	9.8	7.6		3	--	--	--	--	--	--	--	--	--
1650	5050	154				--			1.0	8	6					
01/07/75	5001	7	C	11.3	7.6		3	--	--	--	--	--	--	--	--	--
1550	5050	185				--			2.2	8	2					
02/05/75	5001	8	C	11.0	7.3		3	--	--	--	--	--	--	--	--	--
1500	5050	193				--			1.8	8	7					
03/19/75	5001	11	C	9.7	7.6		3	--	--	--	--	--	--	--	--	--
1125	5050	218				--			1.3	8	8					
04/02/75	5001	11	C	10.2	7.7		3	--	--	--	--	--	--	--	--	--
1200	5050	153				--			1.5	8	7					
04/22/75	5001	14	C	10.0	7.9		3	--	--	--	--	--	--	--	--	--
1655	5050	162				--			30	5	4					
05/07/75	5001	15	C	9.9	7.8		3	--	--	--	--	--	--	--	--	--
1700	5050	134				--			1.9	8	4					
05/21/75	5001	17	C	9.0	7.9		3	--	--	--	--	--	--	--	--	--
1610	5050	132				--			24	5	7					
06/04/75	5001	21	C	8.5	7.8		3	--	--	--	--	--	--	--	--	--
1520	5050	156				--			1.4	8	5					
06/18/75	5001	20	C	8.4	7.4		3	--	--	--	--	--	--	--	--	--
1500	5050	139				--			26	5	5					
07/02/75	5001	20	C	8.6	7.8		3	--	--	--	--	--	--	--	--	--
1405	5050	148				--			26	5	4					
07/16/75	5001	22	C	8.2	7.9		3	--	--	--	--	--	--	--	--	--
1400	5050	157				--			0.7	8	7					
08/13/75	5001	22	C	8.1	7.9		3	--	--	--	--	--	--	--	--	--
1210	5050	225				--			1.5	8	9					
08/26/75	5001	22	C	8.4	7.9		3	--	--	--	--	--	--	--	--	--
1050	5050	231				--			29	5	7					

TABLE 0-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO D.M.	F-PH L-PH	DISCH MBAS	DEPTH TURB	T-L CHLOR	0-P COLOR	SET S ML/L MO/L	ROD SUS S	COD V SUS S	CYANIDE PHENOLS	TDC DOC	IODIDE T. OODR	AMMONIA SULFITE	T. SULF O. SULF	CC EXT CA EXT
89 D 805.8 140.1 SAN JOAQUIN RIVER AT TWITCHELL ISLAND CONTINUED																	
09/02/75 1645	5001 5050	23 233	8.6	7.9	--	3	--	--	--	1.0 23	C 5	--	--	--	--	--	--
09/16/75 1720	5001 5050	20 203	8.9	8.0	--	3	--	--	--	20	5	3	--	--	--	--	--
89 D 805.9 135.2 SAN JOAQUIN RIVER NEAR SAN ANDREAS LANDING																	
10/02/74 1000	5001 5090	19 152	8.4	7.5	--	3	--	--	--	22	5	2	--	--	--	--	--
10/08/74 1230	5001 5090	18 140	8.5	7.7	--	3	--	--	--	15	5	1	--	--	--	--	--
10/17/74 0950	5001 5090	14 130	8.3	7.5	--	3	--	--	--	29	5	3	--	--	--	--	--
10/22/74 1305	5001 5090	17 127	8.9	7.5	--	3	--	--	--	13	5	4	--	--	--	--	--
11/07/74 1415	5001 5090	14 177	8.6	7.5	--	3	--	--	--	18	5	3	--	--	--	--	--
11/19/74 1120	5001 5090	13 156	9.3	7.6	--	3	--	--	--	13	5	0	--	--	--	--	--
11/20/74 1200	5001 5090	13 155	9.0	7.6	--	3	--	--	--	16	5	3	--	--	--	--	--
12/10/74 1610	5001 5090	10 173	9.6	7.6	--	3	--	--	--	22	5	8	--	--	--	--	--
01/07/75 1530	5001 5090	7 191	11.0	7.5	--	3	--	--	--	29	5	3	--	--	--	--	--
02/04/75 1325	5001 5090	8 203	11.2	7.9	--	3	--	--	--	28	5	1	--	--	--	--	--
02/05/75 1440	5001 5090	8 183	11.0	7.2	--	3	--	--	--	28	5	6	--	--	--	--	--
89 D 807.6 129.7 MORELUNNE RIVER, SOUTH FORK, BELOW SYCAMORE SLOUGH																	
10/02/74 0820	5001 5090	19 114	8.3	7.3	--	3	--	--	--	17	5	0	--	--	--	--	--
10/17/74 0810	5001 5090	17 116	8.3	7.4	--	3	--	--	--	18	5	8	--	--	--	--	--
11/07/74 1245	5001 5090	13 134	9.0	7.4	--	3	--	--	--	27	5	0	--	--	--	--	--
11/19/74 0950	5001 5090	13 120	9.4	7.5	--	3	--	--	--	17	5	0	--	--	--	--	--
02/04/75 1145	5001 5090	8 176	11.2	7.4	--	3	--	--	--	18	5	1	--	--	--	--	--
03/18/75 0400	5001 5090	10 140	9.9	7.2	--	3	--	--	--	52	5	5	--	--	--	--	--
04/01/75 0810	5001 5090	10 122	8.4	7.6	--	3	--	--	--	16	5	10	--	--	--	--	--
04/16/75 0730	5001 5090	13 137	9.6	7.6	--	3	--	--	--	18	5	2	--	--	--	--	--
05/01/75 0440	5001 5090	14 106	9.6	7.7	--	3	--	--	--	42	5	7	--	--	--	--	--
05/15/75 0720	5001 5090	14 117	9.0	7.8	--	3	--	--	--	48	5	6	--	--	--	--	--
06/03/75 1245	5001 5090	20 83	8.2	7.5	--	3	--	--	--	37	5	3	--	--	--	--	--
06/17/75 1210	5001 5090	20 107	8.2	7.6	--	3	--	--	--	53	5	5	--	--	--	--	--
07/01/75 1150	5001 5090	20 140	8.2	7.6	--	3	--	--	--	34	5	4	--	--	--	--	--
07/15/75 1035	5001 5090	22 158	7.7	7.7	--	3	--	--	--	46	5	6	--	--	--	--	--
08/12/75 0905	5001 5090	22 143	7.8	7.7	--	3	--	--	--	34	5	7	--	--	--	--	--
08/25/75 0745	5001 5090	22 177	7.3	7.6	--	3	--	--	--	40	5	9	--	--	--	--	--
09/11/75 0355	5001 5090	20 182	7.4	8.0	--	3	--	--	--	21	5	2	--	--	--	--	--
09/26/75 0940	5001 5090	21 180	7.4	--	--	3	--	--	--	14	5	4	--	--	--	--	--
89 D 808.5 124.6 SYCAMORE SLOUGH NEAR MOUTH																	
10/02/74 0400	5001 5090	20 137	7.6	7.5	--	3	--	--	--	2.2 15	M 5	--	--	--	--	--	--
10/17/74 0745	5001 5090	19 123	8.3	7.6	--	3	--	--	--	22	5	6	--	--	--	--	--
11/07/74 1220	5001 5090	14 111	8.3	7.6	--	3	--	--	--	1.7 28	M 5	2	--	--	--	--	--
11/19/74 0930	5001 5090	13 110	8.2	7.5	--	3	--	--	--	24	5	2	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	P-H L-PH	DISCH MBAS	DEPTH TURP	TAL CHLOR	DO COLOR	SET S ML/L MG/L	HDO SUS S	COO V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T ODOR	BROMIDE SHLFITE	T SULF D SULF	CC EXT CA EXT
B9 D 808.5 124.0 SYCAMORE SLOUGH NEAR MOUTH																	
										CONTINUED							
02/04/75 1120	50J1 5030	R C 177	11.5 7.3		--	3	--	--	--	1.3 R 25 S	--	--	--	--	--	--	--
03/18/75 0730	50J1 5030	12 C 337	8.4 7.5		--	3	--	--	--	4.7 R 26 S	--	--	--	--	--	--	--
04/01/75 0750	50J1 5030	11 C 264	7.7 7.9		--	3	--	--	--	5.2 R 48 S	--	--	--	--	--	--	--
04/16/75 0705	50J1 5030	13 C 209	8.4 7.5		--	3	--	--	--	--	16 S	2	--	--	--	--	--
05/01/75 0810	50J1 5030	16 C 135	10.9 8.5		--	3	--	--	--	2.9 R 31 S	--	--	--	--	--	--	--
05/15/75 0650	50J1 5030	17 C 93	8.8 7.8		--	3	--	--	--	38 S	6	--	--	--	--	--	--
06/03/75 1215	50J1 5030	21 C 1215	8.8 8.0		--	3	--	--	--	1.4 R 37 S	--	--	--	--	--	--	--
06/17/75 1145	50J1 5030	21 C 90	8.6 7.8		--	3	--	--	--	37 S	8	--	--	--	--	--	--
07/01/75 1125	50J1 5030	21 C 106	9.2 8.0		--	3	--	--	--	22 S	4	--	--	--	--	--	--
07/15/75 1004	50J1 5030	22 C 125	8.2 7.9		--	3	--	--	--	1.4 R 34 S	--	--	--	--	--	--	--
08/12/75 0845	50J1 5030	23 C 126	7.2 7.6		--	3	--	--	--	1.5 R 34 S	--	--	--	--	--	--	--
08/25/75 0720	50J1 5030	23 C 134	7.9 7.6		--	3	--	--	--	--	25 S	8	--	--	--	--	--
09/11/75 0930	50J1 5030	22 C 158	8.0 8.0		--	3	--	--	--	1.7 R 29 S	--	--	--	--	--	--	--
09/26/75 0910	50J1 5030	22 C 155	8.5		--	3	--	--	--	--	16 S	4	--	--	--	--	--
B9 D 808.7 133.4 MOKELENE RIVER, NORTH FORK, AT BROAD SLOUGH																	
10/02/74 0850	50J1 5030	18 C 118	8.3 7.4		--	3	--	--	--	22 S	1	--	--	--	--	--	--
10/17/74 0840	50J1 5030	17 C 114	8.9 7.5		--	3	--	--	--	27 S	7	--	--	--	--	--	--
11/07/74 1310	50J1 5030	13 C 118	9.4 7.5		--	3	--	--	--	16 S	0	--	--	--	--	--	--
11/19/74 1020	50J1 5030	13 C 113	9.7 7.7		--	3	--	--	--	20 S	0	--	--	--	--	--	--
02/04/75 1220	50J1 5030	R C 195	10.6 7.6		--	3	--	--	--	105 S	10	--	--	--	--	--	--
H9 D 809.0 135.8 GEORGIANA SLOUGH NEAR ISLETON																	
10/02/74 0920	50J1 5030	18 C 121	8.5 7.4		--	3	--	--	--	35 S	2	--	--	--	--	--	--
10/17/74 0910	50J1 5030	17 C 109	8.3 7.5		--	3	--	--	--	22 S	2	--	--	--	--	--	--
11/07/74 1335	50J1 5030	13 C 117	9.5 7.5		--	3	--	--	--	30 S	0	--	--	--	--	--	--
11/19/74 1045	50J1 5030	13 C 113	9.7 7.7		--	3	--	--	--	17 S	0	--	--	--	--	--	--
02/04/75 1250	50J1 5030	R C 148	10.5 7.7		--	3	--	--	--	186 S	25	--	--	--	--	--	--
H9 D 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE																	
10/08/74 1100	50J1 5030	17 C 117	8.8 7.9		--	3	--	--	--	13 S	2	--	--	--	--	--	--
10/22/74 1135	50J1 5030	18 C 118	8.9 7.6		--	3	--	--	--	12 S	3	--	--	--	--	--	--
11/20/74 1025	50J1 5030	13 C 122	9.5 7.7		--	3	--	--	--	4 S	2	--	--	--	--	--	--
12/10/74 1420	50J1 5030	10 C 141	9.7 7.6		--	3	--	--	--	23 S	8	--	--	--	--	--	--
01/07/75 1330	50J1 5030	7 C 176	11.4 7.6		--	3	--	--	--	16 S	2	--	--	--	--	--	--
02/05/75 1245	50J1 5030	R C 157	10.4 7.1		--	3	--	--	--	88 S	15	--	--	--	--	--	--
03/19/75 0850	50J1 5030	10 C 104	10.4 7.6		--	3	--	--	--	75 S	6	--	--	--	--	--	--
04/02/75 0935	50J1 5030	11 C 137	10.0 7.0		--	3	--	--	--	113 S	11	--	--	--	--	--	--
04/22/75 1450	50J1 5030	14 C 182	9.8 7.9		--	3	--	--	--	36 S	5	--	--	--	--	--	--
05/07/75 1505	50J1 5030	14 C 138	9.5 7.7		--	3	--	--	--	42 S	7	--	--	--	--	--	--
05/21/75 1425	50J1 5030	17 C 165	8.9 7.8		--	3	--	--	--	33 S	4	--	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	OTSC MBAS	DEPTH TURR	T+L CHLOR	SET 5 O+O ML/L COLOR MG/L	ASO SUS 5	COO V SUS 5	CYANIDE PHENOLS	TOC DOC	IOOIOE T ODOO	BRNIOE SILFITE	T SULF O SULF	CC EAT CA EAT
R9 0 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE CONTINUED																
06/04/75 1340	5001 5050	21 140	C 8.5 7.8		--	3	--	--	--	30	5	2	--	--	--	--
06/18/75 1305	5001 5050	20 120	C 8.5 7.7		--	3	--	--	--	43	5	16	--	--	--	--
07/02/75 1200	5001 5050	20 150	C 8.7 7.8		--	3	--	--	--	22	5	3	--	--	--	--
07/16/75 1135	5001 5050	22 152	C 8.3 7.8		--	3	--	--	--	28	5	6	--	--	--	--
08/13/75 1020	5001 5050	21 149	C 8.4 7.9		--	3	--	--	--	39	5	8	--	--	--	--
08/26/75 0830	5001 5050	22 169	C 8.0 7.8		--	3	--	--	--	19	5	5	--	--	--	--
09/02/75 1457	5001 5050	21 198	C 8.5 7.9		--	3	--	--	--	22	5	3	--	--	--	--
09/16/75 1505	5001 5050	20 197	C 8.5 7.9		--	3	--	--	--	3	5	1	--	--	--	--
R9 0 814.5 133.2 SACRAMENTO RIVER NEAR RYGE																
10/03/74 0740	5001 5050	17 102	C 8.2 7.4		--	3	--	--	--	13	5	2	--	--	--	--
10/17/74 0730	5001 5050	16 100	C 8.8 7.4		--	3	--	--	--	20	5	6	--	--	--	--
11/07/74 1245	5001 5050	13 110	C 9.7 7.1		--	3	--	--	--	22	5	8	--	--	--	--
11/19/74 1035	5001 5050	13 110	C 10.0 7.3		--	3	--	--	--	12	5	1	--	--	--	--
12/18/74 1000	5001 5050	10 119	C 10.6 7.5		--	3	--	--	--	25	5	2	--	--	--	--
01/22/75 1310	5001 5050	R C 10.8 160	7.5		--	3	--	--	--	11	5	0	--	--	--	--
02/04/75 1235	5001 5050	R C 10.5 116	7.5		--	3	--	--	--	277	5	26	--	--	--	--
R9 0 815.3 126.3 MOKELUMNE RIVER NEAR YMRONTON																
10/02/74 0825	5001 5050	18 41	C 8.5 7.1		--	3	--	--	--	11	5	3	--	--	--	--
10/16/74 0615	5001 5050	15 38	C 9.2 6.7		--	3	--	--	--	9	5	6	--	--	--	--
11/06/74 1050	5001 5050	14 35	C 11.4 6.7		--	3	--	--	--	7	5	2	--	--	--	--
11/18/74 0900	5001 5050	13 45	C 8.8 7.1		--	3	--	--	--	14	5	3	--	--	--	--
12/17/74 0835	5001 5050	9 81	C 10.5 7.2		--	3	--	--	--	6	5	3	--	--	--	--
01/21/75 1150	5001 5050	R C 11.1 99	7.1		--	3	--	--	--	19	5	4	--	--	--	--
02/03/75 1045	5001 5050	R C 10.3 148			--	3	--	--	--	170	5	18	--	--	--	--
03/18/75 1305	5001 5050	12 130	C 10.3 7.3		--	3	--	--	--	38	5	5	--	--	--	--
04/01/75 1440	5001 5050	12 64	C 10.4 7.3		--	3	--	--	--	22	5	4	--	--	--	--
04/18/75 0920	5001 5050	11 86	C 10.4 7.2		--	3	--	--	--	8	5	2	--	--	--	--
05/01/75 0900	5001 5050	13 49	C 10.2 7.1		--	3	--	--	--	17	5	6	--	--	--	--
05/15/75 0730	5001 5050	15 57	C 9.4 6.8		--	3	--	--	--	40	5	6	--	--	--	--
06/03/75 1250	5001 5050	19 48	C 8.6 7.0		--	3	--	--	--	51	5	3	--	--	--	--
06/17/75 1150	5001 5050	18 49	C 9.2 7.1		--	3	--	--	--	22	5	5	--	--	--	--
07/01/75 1105	5001 5050	17 51	C 9.1 7.3		--	3	--	--	--	7	5	2	--	--	--	--
07/15/75 1025	5001 5050	20 57	C 7.9 7.3		--	3	--	--	--	25	5	5	--	--	--	--
08/12/75 1005	5001 5050	21.8C 51	8.8 6.3		--	3	--	--	--	18	5	6	--	--	--	--
08/26/75 1435	5001 5050	20 58	C 8.7 7.1		--	3	--	--	--	24	5	3	--	--	--	--
09/11/75 0915	5001 5050	18 48	C 9.2 7.2		--	3	--	--	--	8	5	0	--	--	--	--
09/25/75 0910	5001 5050	17 51	C 9.5 6.9		--	3	--	--	--	8	5	2	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MBAS	DEPTH TURR	T+L CHLOR	SET 5		BOD SUS 5	COD SUS 5	CYANIDE PHENOLS	TOC DOC	IODIDE T ODO	BROMIDE SULFITE	T SULF O SULF	CC EXT CA EXT
								O+G COLOR	ML/L MG/L								
R9 D 820.7 132.7 SACRAMENTO RIVER AT GREENES LANDING																	
10/03/74	5001	17	C	8.5	7.2		3	--	--	1.9 B	--	--	--	--	--	--	--
0650	5050	105			--	--	--	--	--	29 5	3						
10/17/74	5001	16	C	9.1	7.2		3	--	--								
0655	0050	102			--	--	--	--	--	16 5	7						
11/07/74	5001	13	C	9.5	6.9		3	--	--	1.4 B							
1200	5050	119			--	--	--	--	--	16 5	6						
11/19/74	5001	13	C	9.7	6.9		3	--	--	--							
0955	5050	100			--	--	--	--	--	14 5	2						
12/18/74	5001	9	C	10.4	7.4		3	--	--	1.1 B							
0915	5050	122			--	--	--	--	--	19 5	2						
01/22/75	5001	A	C	10.8	7.5		3	--	--	2.4 B							
1225	5050	202			--	--	--	--	--	28 5	2						
02/04/75	5001	A	C	10.8	7.4		3	--	--	2.6 B							
1145	5050	167			--	--	--	--	--	149 5	22						
02/19/75	5001	47.5F	C	10.8	7.2			--	--								
1220	5050	126			--	--	--	--	--			0.001					
03/18/75	5001	13	C	10.6	7.6		3	--	--	1.1 B							
1345	5050	161			--	--	--	--	--	87 5	8						
04/01/75	5001	12	C	10.5	7.5		3	--	--	0.9 B							
1525	5050	133			--	--	--	--	--	164 5	15						
04/18/75	5001	12	C	10.5	7.3		3	--	--								
1655	5050	139			--	--	--	--	--	45 5	6						
05/01/75	5001	14	C	10.1	7.5		3	--	--	1.2 B							
0800	5050	117			--	--	--	--	--	29 5	5						
05/15/75	5001	14	C	9.7	7.6		3	--	--								
1450	5050	125			--	--	--	--	--	53 5	6						
06/03/75	5001	19	C	8.7	7.5		3	--	--	1.1 B							
1105	5050	142			--	--	--	--	--	35 5	2						
06/17/75	5001	19	C	8.8	7.6		3	--	--								
1010	5050	118			--	--	--	--	--	22 5	4						
07/01/75	5001	19	C	8.4	7.8		3	--	--								
0955	5050	152			--	--	--	--	--	35 5	4						
07/15/75	5001	21	C	8.1	7.8		3	--	--	0.9 B							
0915	5050	138			--	--	--	--	--	29 5	6						
08/12/75	5001	21.7C	C	8.8	6.8		3	--	--	1.1 B							
1110	5050	146			--	--	--	--	--	20 5	9						
08/26/75	5001	20	C	8.4	7.3		3	--	--								
0650	5050	164			--	--	--	--	--	18 5	2						
09/11/75	5001	20	C	7.8	7.5		3	--	--	1.2 B							
0805	5050	187			--	--	--	--	--	20 5	1						
09/17/75	5001	6.9 F	C	7.6	7.4			--	--								
1330	5050	163			--	--	--	--	--			0.001					
09/25/75	5001	20	C	7.7	7.5		3	--	--								
0815	5050	124			--	--	--	--	--	17 5	3						

TABLE D-5

NUTRIENT ANALYSIS OF SURFACE WATER

Sampler and Lab Agency Codes

2163 - California Department of Water Resources for SWRCB
 5001 - U. S. Bureau of Reclamation
 5050 - California Department of Water Resources

Abbreviations and Constituents

TIME - Pacific Standard Time on a 24-hour clock
 G.H. - Instantaneous gage height in feet above an established datum
 DISCH. - Instantaneous discharge in cubic feet per second
 TEMP - Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)
 DEPTH - Depth in feet at which sample was collected
 PH - Measure of acidity (<7) or alkalinity (>7) of water
 EC - Electrical conductance in micromhos at 25°C
 TURB - Jackson Turbidity Units measured with a Hellige Turbidimeter (E) or a Hack Nephelometer (A) with (F) for field determination
 F-CO2 - Field determination of carbon dioxide in milligrams per liter
 CACO3 P - Field Alkalinity (Phenol)
 CACO3 T - Field Alkalinity (Total)
 D NO2+NO3 - Dissolved nitrite and Nitrate as N.
 T NH3 - Total ammonia as N
 D NO2 - Dissolved nitrite as N
 D NO3 - Dissolved nitrate as N
 D ORG N - Dissolved organic nitrogen as N
 T ORG N - Total organic nitrogen as N
 D (NH3 + - Ammonia and dissolved organic nitrogen as N
 T ORG N) - Ammonia and total organic nitrogen as N
 DIS
 A.H.P04 - Dissolved acid hydrolyzable phosphate as P
 D O-P04 - Dissolved orthophosphate as P
 T O-P04 - Total orthophosphate as P
 D TOT P - Dissolved total phosphorus as P
 T TOT P - Total Phosphorus as P

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. DISCH.	TEMP DEPTH	F-PH	F-EC LAB EC	FIELD			D NO2 T NH3	D NO3 F NO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER						D TOT P T TOT P
						TURB F-CO2	CAC03 CAC03	P			D ORG N	D NH3 D NH3	D NH3 D NH3	D NH3 D NH3	D NH3 D NH3	D NH3 D NH3	
AD 2112.00 SACRAMENTO RIVER AT ELKHORN FERRY																	
10/16/74	5:00		61 F	7.3	95	8A			--	--	--	--	--	--	--	--	--
0745	5:00	17700			99				--	0.05	--	0.1	--	--	--	--	0.05
11/20/74	5:00		53 F	7.3	102	9A			--	--	--	--	--	--	--	--	--
0930	5:00	21100			105				--	0.01	--	0.2	--	--	--	--	0.07
12/18/74	5:00		49 F	7.3	107	5A			--	--	--	--	--	--	--	--	--
0910	5:00	19800			120				--	0.09	--	0.1	--	--	--	--	0.06
01/15/75	5:00		46 F	7.3	112	11A			--	--	--	--	--	--	--	--	--
0915	5:00	16800			130				--	0.16	--	0.2	--	--	--	--	0.04
02/19/75	5:00		47 F	7.2	134	30A			--	--	--	--	--	--	--	--	--
0915	5:00	53100			149				--	0.22	--	0.5	--	--	--	--	0.18
03/19/75	5:00		50 F	7.4	131	30A			--	--	--	--	--	--	--	--	--
0730	5:00	41700			152				--	0.15	--	0.3	--	--	--	--	0.10
04/16/75	5:00		54 F	7.4	116	14A			--	--	--	--	--	--	--	--	--
0830	5:00	24600			132				--	0.09	--	0.2	--	--	--	--	0.06
05/21/75	5:00		60 F	7.4	118	11A			--	--	--	--	--	--	--	--	--
0730	5:00	30400			132				--	0.03	--	0.2	--	--	--	--	0.08
06/18/75	5:00		66 F	7.4	106	7A			--	--	--	--	--	--	--	--	--
0745	5:00	20000			111				--	0.05	--	0.2	--	--	--	--	0.13
07/16/75	5:00		68 F	7.5	106	7A			--	--	--	--	--	--	--	--	--
0800	5:00	14200			115				--	0.30	--	0.2	--	--	--	--	0.10
08/26/75	5:00		68 F	7.4	134	8A			--	--	--	--	--	--	--	--	--
0745	5:00	17800			141				--	0.04	--	0.2	--	--	--	--	0.04
09/17/75	5:00		67 F	7.5	129	7A			--	--	--	--	--	--	--	--	--
0800	5:00	19100			141				--	0.04	--	0.2	--	--	--	--	0.06
AD 2170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END																	
10/16/74	5:00		61 F	7.4	117	15A			--	--	--	--	--	--	--	--	--
1000	5:00	18,600			128				--	0.19	--	0.2	--	--	--	--	0.05
11/20/74	5:00		53 F	7.4	123	8A			--	--	--	--	--	--	--	--	--
1115	5:00	20,400			139				--	0.08	--	0.1	--	--	--	--	0.05
12/18/74	5:00		50 F	7.4	146	8A			--	--	--	--	--	--	--	--	--
1115	5:00	20,100			162				--	0.18	--	0.2	--	--	--	--	0.06
01/15/75	5:00		47 F	7.4	108	12A			--	--	--	--	--	--	--	--	--
1145	5:00	18,400			189				--	0.30	--	0.2	--	--	--	--	0.08
02/19/75	5:00		47 F	7.3	142	25A			--	--	--	--	--	--	--	--	--
1100	5:00	11,000			156				--	0.22	--	0.3	--	--	--	--	0.19
03/19/75	5:00		49 F	7.4	150	29A			--	--	--	--	--	--	--	--	--
0930	5:00	29,800			170				--	0.18	--	0.2	--	--	--	--	0.11
04/16/75	5:00		55 F	7.4	140	19A			--	--	--	--	--	--	--	--	--
1000	5:00	23,100			158				--	0.17	--	0.2	--	--	--	--	0.08
05/21/75	5:00		60 F	7.4	135	24A			--	--	--	--	--	--	--	--	--
0930	5:00	25,700			151				--	0.05	--	0.2	--	--	--	--	0.10
06/18/75	5:00		66 F	7.4	135	25A			--	--	--	--	--	--	--	--	--
1015	5:00	19,600			152				--	0.09	--	0.3	--	--	--	--	0.18
07/16/75	5:00		69 F	7.5	177	12A			--	--	--	--	--	--	--	--	--
1045	5:00	17,900			193				--	0.10	--	0.2	--	--	--	--	0.07
08/20/75	5:00		66 F	7.6	160	22A			--	--	--	--	--	--	--	--	--
0930	5:00	19,100			223				--	0.10	--	0.2	--	--	--	--	0.04
09/17/75	5:00		71 F	7.4	218	24A			--	--	--	--	--	--	--	--	--
1130	5:00	19,400			240				--	0.11	--	0.3	--	--	--	--	0.08
AD 2230.02 SACRAMENTO RIVER ABOVE COLUSA WASHIN RIVAIN																	
10/23/74	5:00		13.10	13.4 C	7.4	112	20AF		--	--	--	--	--	--	--	--	--
1230	5:00	21,300							--	0.11	--	0.1	--	--	--	--	0.13
11/19/74	5:00		12.41	13.4 C	7.7	125	8AF		--	--	--	--	--	--	--	--	--
1350	5:00	22,500							--	0.13	--	0.1	--	--	--	--	0.04
12/18/74	5:00		12.41	13.4 C	7.6	142	9AF		--	--	--	--	--	--	--	--	--
1300	5:00	22,600							--	0.20	--	0.1	--	--	--	--	0.04
01/22/75	5:00		9.4 C	7.5	145	4AF			--	--	--	--	--	--	--	--	--
1320	5:00	20,100							--	0.22	--	0.1	--	--	--	--	0.07
02/26/75	5:00		9.4 C	7.4	153	29AF			--	--	--	--	--	--	--	--	--
1140	5:00	29,000							--	0.19	--	0.2	--	--	--	--	0.37
03/26/75	5:00		17.25	13.4 C	7.9	134	60AF		--	--	--	--	--	--	--	--	--
1410	5:00	17,250							--	0.12	--	0.2	--	--	--	--	0.12
04/23/75	5:00		22.51	13.4 C	7.0	146	14A		--	--	--	--	--	--	--	--	--
1315	5:00	22,510							--	0.14	--	0.2	--	--	--	--	0.09
05/22/75	5:00		26.41	14.4 C	7.6	131	22AF		--	--	--	--	--	--	--	--	--
1210	5:00	26,410							--	0.10	--	0.2	--	--	--	--	0.10
06/24/75	5:00		20.00	14.4 C	7.0	132	14AF		--	--	--	--	--	--	--	--	--
1310	5:00	20,000							--	0.07	--	0.2	--	--	--	--	0.14
07/29/75	5:00		19.84	14.4 C	7.4	139	10AF		--	--	--	--	--	--	--	--	--
1250	5:00	19,840							--	0.11	--	0.1	--	--	--	--	0.09
08/26/75	5:00		21.24	14.4 C	7.4	162	13AF		--	--	--	--	--	--	--	--	--
1200	5:00	21,240							--	0.07	--	0.2	--	--	--	--	0.09
09/24/75	5:00		20.24	14.4 C	7.6	140	10AF		--	--	--	--	--	--	--	--	--
1345	5:00	20,240							--	0.07	--	0.1	--	--	--	--	0.04

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	Q.W. DISCH.	TEMP DEPTH	F-PH F-EC	F-EC LAB EC	FIELD TURN CAC03 P F-C02 CAC03 T	O NO2 + NO3 T NM3	O NO2 O NO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER O NO2 O NO3 T ORG N T ORG N T NH4P T NH4P	PER LITER O N-PO4 T N-PO4 T TOT P T TOT P	
AO 2785.00 SACRAMENTO RIVER AT BEND BRIDGE											
05/21/75 1320	5030 5030	22.21	12.0C	7.4	114	3A	--	--	--	0.01	--
							--	0.09	--	0.0	0.05
AO 2925.00 SACRAMENTO SLOUGH AT SACRAMENTO RIVER											
10/23/74 1200	5030 5030	17.5C	7.6	245	204F		--	--	--	0.06	--
							--	0.07	--	0.3	0.11
01/22/75 1245	5030 5030	6.5C	7.6	318	424F		--	--	--	0.06	--
							--	0.12	--	0.4	0.17
04/23/75 1230	5030 5030	16.0C	7.6	365	454F		--	--	--	0.07	--
							--	0.09	--	0.4	0.42
09/24/75 1225	5030 5030	21.0C	7.6	427	374F		--	--	--	0.06	--
							--	0.20	--	0.6	0.16
07/29/75 1220	5030 5030	25.5C	7.6	480	254F		--	--	--	0.10	--
							--	0.10	--	0.5	0.19
08/26/75 1125	5030 5030	24.0C	7.4	475	224F		--	--	--	0.04	--
							--	0.08	--	0.4	0.14
09/24/75 1310	5030 5030	24.0C	7.0	495	214F		--	--	--	0.07	--
							--	0.14	--	0.3	0.07
AO 2926.00 R=0 1500 DRAINAGE TO SACRAMENTO SLOUGH											
11/19/74 1320	5030 5030	13.0C	7.7	482	154F		--	--	--	0.09	--
							--	0.03	--	0.4	0.15
12/18/74 1230	5030 5030	12.87	10.0C	8.1	732	194F		--	--	0.13	--
							--	0.27	--	0.6	0.19
AO 2933.00 R=0 108 DRAINAGE TO SACRAMENTO RIVER											
10/23/74 1320	5030 5030	17.0C	8.2	349	224F		--	--	--	0.13	--
							--	0.04	--	0.5	0.10
11/19/74 1505	5030 5030	8.4	9.8	244F			--	--	--	0.31	--
							--	0.04	--	0.5	0.38
12/18/74 1410	5030 5030	9.5C	0.1	869	234F		--	--	--	0.27	--
							--	0.19	--	0.3	0.31
01/22/75 1425	5030 5030	9.0C	8.0	913	204F		--	--	--	0.26	--
							--	0.12	--	0.3	0.28
02/26/75 1235	5030 5030	14.5C	7.8	934	164F		--	--	--	0.26	--
							--	0.87	--	0.4	0.30
03/26/75 1525	5030 5030	11.0C	8.2	989	424F		--	--	--	0.23	--
							--	0.61	--	0.5	0.24
04/23/75 1200	5030 5030	16.0C	8.4	806	21A		--	--	--	0.28	--
							--	0.27	--	2.1	0.52
05/22/75 1320	5030 5030	21.0C	0.1	493	844F		--	--	--	0.14	--
							--	0.17	--	1.0	0.43
06/24/75 1415	5030 5030	21.0C	7.4	503	414F		--	--	--	0.10	--
							--	0.10	--	0.6	0.33
07/29/75 1410	5030 5030	25.0C	7.3	533	234F		--	--	--	0.11	--
							--	0.11	--	0.6	0.17
08/26/75 1350	5030 5030	23.0C	7.3	571	264F		--	--	--	0.10	--
							--	0.06	--	0.6	0.10
09/24/75 1455	5030 5030	23.0C	7.7	883	264F		--	--	--	0.13	--
							--	0.06	--	0.6	0.15
AO 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING											
10/23/74 1300	5030 5030	23.45	16.0C	8.0	659	384F		--	--	0.13	--
							--	0.36	--	0.8	0.18
11/19/74 1430	5030 5030	23.46	12.5C	8.3	823	294F		--	--	0.12	--
							--	0.19	--	0.7	0.21
12/18/74 1335	5030 5030	23.52	10.0C	8.2	990	404F		--	--	0.14	--
							--	0.33	--	0.7	0.21
01/22/75 1355	5030 5030	21.54	9.0C	8.0	892	474F		--	--	0.08	--
							--	0.07	--	0.8	0.14
02/26/75 1200	5030 5030	12.0C	8.0	1180	324F		--	--	--	0.14	--
							--	0.43	--	0.8	0.23
03/26/75 1555	5030 5030	11.0C	8.1	737	1044F		--	--	--	0.10	--
							--	0.21	--	0.8	0.34
04/23/75 1045	5030 5030	23.88	16.0C	8.2	826	1004		--	--	0.13	--
							--	0.29	--	0.8	0.33
05/22/75 1250	5030 5030	27.35	19.5C	8.0	588	554F		--	--	0.08	--
							--	0.12	--	1.1	0.23
06/24/75 1350	5030 5030	24.43	23.0C	8.0	754	494F		--	--	0.08	--
							--	0.15	--	0.8	0.19
07/29/75 1320	5030 5030	24.52	27.0C	7.9	655	444F		--	--	0.05	--
							--	0.28	--	0.7	0.21
08/26/75 1325	5030 5030	24.53	24.0C	7.6	620	604F		--	--	0.03	--
							--	0.11	--	0.7	0.06
09/24/75 1425	5030 5030	23.47	24.0C	7.8	646	614F		--	--	0.04	--
							--	0.24	--	0.8	0.16

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.W. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	FIELD TURB CAC03 P F-C02 CAC03 T	O NO2 T NM3	O NO3 D NO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER										O TOT P T TOT P
									O NO2 T NM3	O NO3 D NO3	T ORG N	T ORG N	T ORG N	A, H, PO4 T	O-PO4 T				
A0 2950.00 R=0 T87 DRAINAGE TO COLUSA BASIN DRAIN																			
10/23/74	5050	19.3	16.0C	7.9	760	26AF	--	--	--	--	--	--	--	--	0.11	--	--	--	0.25
1245	5050						--	0.02	--	--	1.3	--	--	--	--	--	--	--	--
11/19/74	5050		13.0C	7.5	770	27AF	--	--	--	--	--	--	--	--	0.06	--	--	--	0.20
1415	5050						--	0.12	--	--	1.8	--	--	--	--	--	--	--	--
01/22/75	5050		8.0C	8.2	665	40AF	--	--	--	--	--	--	--	--	0.04	--	--	--	0.19
1345	5050						--	0.01	--	--	1.0	--	--	--	--	--	--	--	--
02/26/75	5050		11.5C	7.3	429	31AF	--	--	--	--	--	--	--	--	0.05	--	--	--	0.11
1200	5050						--	0.51	--	--	0.3	--	--	--	--	--	--	--	--
03/26/75	5050	19.20	11.0C	8.2	635	98AF	--	--	--	--	--	--	--	--	0.08	--	--	--	0.22
1440	5050						--	0.56	--	--	0.9	--	--	--	--	--	--	--	--
04/23/75	5050		16.0C	8.3		18A	--	--	--	--	--	--	--	--	0.06	--	--	--	--
1025	5050					758	--	0.04	--	--	0.8	--	--	--	--	--	--	--	0.26
05/22/75	5050		21.0C	8.4	563	10AF	--	--	--	--	--	--	--	--	0.00	--	--	--	--
1230	5050						--	0.13	--	--	1.1	--	--	--	--	--	--	--	0.17
06/24/75	5050		22.0C	7.9	475	12AF	--	--	--	--	--	--	--	--	0.05	--	--	--	--
1325	5050						--	0.00	--	--	0.9	--	--	--	--	--	--	--	0.20
07/29/75	5050		24.4C	7.4	556	14AF	--	--	--	--	--	--	--	--	0.09	--	--	--	--
1315	5050						--	0.00	--	--	0.4	--	--	--	--	--	--	--	0.22
08/26/75	5050		22.0C	7.3	570	16AF	--	--	--	--	--	--	--	--	0.06	--	--	--	0.15
1225	5050						--	0.01	--	--	0.5	--	--	--	--	--	--	--	--
09/24/75	5050		23.0C	7.6	653	28AF	--	--	--	--	--	--	--	--	0.05	--	--	--	--
1410	5050						--	0.01	--	--	0.9	--	--	--	--	--	--	--	0.17
A0 2955.00 R=0 T87 DRAINAGE TO SACRAMENTO RIVER																			
10/23/74	5050	19.0	16.0C	7.8	618	47AF	--	--	--	--	--	--	--	--	0.16	--	--	--	--
1340	5050						--	0.04	--	--	0.8	--	--	--	--	--	--	--	0.24
11/19/74	5050	19.30	12.0C	8.1	428		--	--	--	--	--	--	--	--	0.13	--	--	--	--
1530	5050						--	0.09	--	--	0.3	--	--	--	--	--	--	--	0.16
12/18/74	5050	19.30	10.0C	7.8	361	19AF	--	--	--	--	--	--	--	--	0.11	--	--	--	--
1435	5050						--	0.08	--	--	0.3	--	--	--	--	--	--	--	0.24
01/22/75	5050	19.2	9.5C	7.9	579	25AF	--	--	--	--	--	--	--	--	0.13	--	--	--	--
1445	5050						--	0.05	--	--	0.3	--	--	--	--	--	--	--	0.18
02/26/75	5050		13.0C	7.6	724	25AF	--	--	--	--	--	--	--	--	0.14	--	--	--	--
1255	5050						--	0.48	--	--	0.4	--	--	--	--	--	--	--	0.21
03/26/75	5050	18.70	11.5C	8.1	680	36AF	--	--	--	--	--	--	--	--	0.15	--	--	--	--
1845	5050						--	1.2	--	--	0.5	--	--	--	--	--	--	--	0.23
04/23/75	5050		16.0C	8.0	670	23A	--	--	--	--	--	--	--	--	0.16	--	--	--	--
1230	5050						--	0.14	--	--	0.8	--	--	--	--	--	--	--	0.33
05/22/75	5050		21.0C	7.4	497	53AF	--	--	--	--	--	--	--	--	0.10	--	--	--	--
1345	5050						--	0.10	--	--	0.8	--	--	--	--	--	--	--	0.32
06/24/75	5050		21.0C	7.2	389	32AF	--	--	--	--	--	--	--	--	0.00	--	--	--	--
1445	5050						--	0.05	--	--	0.5	--	--	--	--	--	--	--	0.20
07/29/75	5050		25.0C	7.2	451	31AF	--	--	--	--	--	--	--	--	0.09	--	--	--	--
1430	5050						--	0.08	--	--	0.5	--	--	--	--	--	--	--	0.21
08/26/75	5050		23.5C	7.2	458	27AF	--	--	--	--	--	--	--	--	0.09	--	--	--	--
1425	5050						--	0.02	--	--	0.4	--	--	--	--	--	--	--	0.09
09/24/75	5050		24.0C	7.8	696	45AF	--	--	--	--	--	--	--	--	0.10	--	--	--	--
1525	5050						--	0.09	--	--	0.8	--	--	--	--	--	--	--	0.14
A0 2965.00 R=0 T87 DRAINAGE TO SACRAMENTO RIVER																			
10/23/74	5050	19.40	16.0C	8.2	980	15AF	--	--	--	--	--	--	--	--	0.31	--	--	--	0.59
1110	5050						--	0.03	--	--	0.8	--	--	--	--	--	--	--	--
11/19/74	5050	33.70	13.0C	8.1	552	15AF	--	--	--	--	--	--	--	--	0.10	--	--	--	0.17
1225	5050						--	0.04	--	--	0.4	--	--	--	--	--	--	--	--
12/18/74	5050	33.93	10.0C	8.0	678	16AF	--	--	--	--	--	--	--	--	0.10	--	--	--	0.16
1105	5050						--	0.12	--	--	0.4	--	--	--	--	--	--	--	--
01/22/75	5050	33.9	9.0C	8.1	844	24AF	--	--	--	--	--	--	--	--	0.09	--	--	--	0.10
1145	5050						--	0.05	--	--	0.6	--	--	--	--	--	--	--	--
02/26/75	5050		12.0C	7.8	1090	26AF	--	--	--	--	--	--	--	--	0.15	--	--	--	0.25
1025	5050						--	1.2	--	--	0.6	--	--	--	--	--	--	--	--
03/26/75	5050	33.55	10.0C	7.5	953	28AF	--	--	--	--	--	--	--	--	0.14	--	--	--	0.24
1300	5050						--	1.1	--	--	0.6	--	--	--	--	--	--	--	--
04/23/75	5050		15.0C	8.0		344	--	--	--	--	--	--	--	--	0.08	--	--	--	0.24
1130	5050					540	--	0.16	--	--	0.6	--	--	--	--	--	--	--	--
05/22/75	5050		19.0C	7.7	575	32AF	--	--	--	--	--	--	--	--	0.12	--	--	--	0.22
1115	5050						--	0.30	--	--	0.8	--	--	--	--	--	--	--	--
06/24/75	5050		21.0C	7.5	558	27AF	--	--	--	--	--	--	--	--	0.07	--	--	--	0.21
1140	5050						--	0.27	--	--	0.6	--	--	--	--	--	--	--	--
07/29/75	5050		25.0C	7.3	470	25AF	--	--	--	--	--	--	--	--	0.11	--	--	--	0.28
1115	5050						--	0.20	--	--	0.5	--	--	--	--	--	--	--	--
08/26/75	5050		23.0C	7.4	545	18AF	--	--	--	--	--	--	--	--	0.06	--	--	--	0.09
1040	5050						--	0.11	--	--	0.4	--	--	--	--	--	--	--	--
09/24/75	5050		24.0C	8.0	726	28AF	--	--	--	--	--	--	--	--	0.10	--	--	--	0.19
1100	5050						--	0.01	--	--	0.7	--	--	--	--	--	--	--	--

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	O.N. DISCH	TEMP DEPTH	F-PM LAB EC	F-EC EC	FIELD			NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
						TURB F-CO2	CA CACO3	T	NO2 T NH3	NO3 O NO3	O O NH3	N O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3	O O NH3

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. OISCH	TEMP DEPTH	F-PH LAB	F-EC EC	FIELD TURB F-CO2 CACO3 T	O NO2 + NO3 T NH3	NUTRIENT O NO2 O NO3	CONSTITUENTS IN MILLIGRAMS PER LITER				D TOT P T TOT P	
									O ORG N T ORG N	O (NH3) T ORG N	OIS A, H, PO4	O n-PO4 T		
AC 5920.00 SUTTER BP STATE PP NO 2 NR TISDALE														
02/27/75 1110	5020 5030		15.0C	7.8	584	21A	--	--	0.42	--	0.4	--	0.07	--
05/25/75 1030	5020 5030		20.0C	7.4	345	124F	--	--	0.21	--	0.4	--	0.06	--
07/30/75 1010	5020 5030		22.0C	7.3	389	64F	--	--	0.13	--	0.4	--	0.05	--
08/27/75 1040	5050 5030		19.0C	7.2	397	9A	--	--	0.14	--	0.3	--	0.05	--
09/24/75 1145	5050 5030		22.0C	7.8	499	11A	--	--	0.21	--	0.3	--	0.06	--
AO 5925.00 SUTTER BP STATE PP NO 3 NR YUBA CITY														
02/27/75 1245	5020 5030		17.0C	7.6	707	10A	--	--	0.25	--	0.4	--	0.06	--
06/25/75 1120	5020 5030		22.5C	7.4	548	204F	--	--	0.06	--	0.6	--	0.04	--
07/30/75 1110	5020 5030		24.0C	7.5	481	84F	--	--	0.06	--	0.5	--	0.03	--
08/27/75 1110	5050 5030		21.0C	7.6	742	10A	--	--	0.06	--	0.6	--	0.03	--
09/24/75 1020	5050 5030		22.0C	7.6	800	13A	--	--	0.07	--	0.5	--	0.04	--
AO 5927.00 WADSWORTH CANAL NR SUTTER														
09/24/75 0955	5050 5030		38.09	21.0C	7.4		--	--	0.14	--	0.3	--	0.07	--
AO 7100.10 AMERICAN RIVER AT SACRAMENTO WATER PLANT														
02/04/75 1020	2103 5050		48 F	7.0	57	14A	0.12	0.01	0.11	0.2	0.4	--	0.12	--
02/18/75 1030	2103 5030		47 F	7.1	51	3A	0.05	0.01	0.01	--	--	--	0.01	--
03/04/75 0900	2103 5050		49 F	7.1	60	5A	0.07	0.00	0.04	0.08	0.1	--	--	0.03
03/18/75 0830	5020 5050		49 F	7.1	62	4A	0.06	0.00	0.07	0.13	0.2	--	--	0.03
04/08/75 0845	5020 5030		48.5F	7.2	82	8A	0.15	0.00	0.05	0.09	0.15	0.2	--	0.05
04/22/75 0815	5020 5030		51.5F	7.1	66	4A	0.09	0.01	0.15	0.19	0.2	--	--	0.02
05/06/75 0910	2103 5030		54.0F	7.2	69	3A	0.04	0.00	0.08	0.06	0.1	--	--	0.04
05/20/75 0850	2103 5050		54.0F	7.2	68	3A	0.02	0.00	0.02	0.1	0.1	--	--	0.02
06/10/75 0915	2103 5050		51.0F	7.1	52	2A	0.03	0.00	0.03	0.17	0.2	--	--	0.02
06/24/75 0900	2103 5050		58 F	7.1	48	1A	0.05	0.00	0.06	0.17	0.2	--	--	0.04
07/08/75 0845	2103 5050		61.0F	7.0	48	1A	0.1	0.00	0.10	0.25	0.3	--	--	0.06
07/22/75 0930	2103 5050		63.0F	7.0	48	1A	0.06	0.00	0.06	0.1	0.1	--	--	0.05
08/05/75 0900	2103 5050		62.0F	7.0	45	1A	0.02	0.00	0.02	0.15	0.2	--	--	0.07
08/19/75 0915	2103 5050		63 F	7.0	45	2A	0.04	0.00	0.04	0.21	0.3	--	--	0.06
09/02/75 0845	2103 5050		65 F	7.0	48	2A	0.03	0.00	0.03	0.26	0.4	--	--	0.12
09/16/75 0900	2103 5050		63 F	7.0	45	1A	0.03	0.00	0.03	0.17	0.3	--	--	0.08
AO 7100.00 AMERICAN RIVER BELOW NIMBUS DAM														
02/04/75 0930	2103 5050		48 F	7.0	65	7A	0.09	0.00	0.09	0.2	0.4	--	--	0.06
02/18/75 0930	5020 5030		47.5F	7.1	50	3A	0.04	0.01	0.03	0.1	0.1	--	--	0.00
03/04/75 0830	2103 5050		7.9A	7.2	57	4A	0.04	0.00	0.04	0.2	0.2	--	--	0.00
03/18/75 0730	2103 5050		48.5F	7.2	60	3A	0.05	0.00	0.05	0.1	0.1	--	--	0.00
04/08/75 0800	2103 5050		48 F	7.2	62	8A	0.1	0.00	0.10	0.2	0.2	--	--	0.00
04/22/75 0945	2103 5050		51.5F	7.2	64	3A	0.06	0.01	0.05	0.09	0.1	--	--	0.02

[illegible]

A0 T190.00 AMERICAN RIVER BELOW NIMBUS DAM										CONTINUED			
05/06/75	2103	0.56	53.0 F	7.2	02	3A	0.01	0.00	--	--	0.00	--	
0820	5050	5330			04		0.00	0.01	0.2	0.2	--	0.01	
05/20/75	2103	0.48	54.0 F	7.2	57	2A	0.01	0.00	--	--	0.00	--	
0800	5050	5180			60		0.03	0.01	0.07	0.1	--	0.01	
06/10/75	2103	0.50	56.0 F	7.1	48	1A	0.01	0.00	--	--	0.00	--	
0815	5050	5200			40		0.01	0.01	0.09	0.1	--	0.01	
06/24/75	2103	7.67	57 F	7.1	44	1A	0.02	0.00	--	--	0.00	--	
0800	5050	3520			45		0.00	0.02	0.1	0.1	--	0.00	
07/08/75	2103	7.67	59.0 F	7.2	44	1A	0.01	0.00	--	--	0.00	--	
0800	5050	3520			44		0.00	0.01	0.1	0.1	--	0.01	
07/22/75	2103	7.66	61.0 F	7.0	43	0A	0.	0.00	--	--	0.00	--	
0800	5050	3500			45		0.00	0.00	0.1	0.1	--	0.00	
08/05/75	2103	7.37	61.0 F	7.0	44	0A	0.	0.00	--	--	0.00	--	
0745	5050	3010			44		0.01	0.00	0.09	0.1	--	0.01	
09/19/75	2103	6.99	62 F	6.8	40	1A	0.	0.00	--	--	0.00	--	
0815	5050	2450			43		0.00	0.00	0.1	0.1	--	0.01	
09/02/75	2103	6.92	63 F	7.0	42	1A	0.02	0.00	--	--	0.00	--	
0800	5050	2350			42		0.01	0.02	0.09	0.1	--	0.00	
09/16/75	2103	6.95	62 F	6.9	40	1A	0.01	0.00	--	--	0.00	--	
0745	5050	2390			41		0.00	0.01	0.1	0.1	--	0.01	
A1 1020.00 PIT RIVER NEAR MONTGOMERY CREEK													
03/19/75	5050	7.5C	7.3	105	17AF	--	--	--	--	--	0.03	--	
1000	5050					--	0.07	--	--	0.2	--	0.08	
A1 1680.00 PIT RIVER NEAR CANBY													
03/19/75	5050	3.52	7.0C	7.7	102	40AF	--	--	--	--	0.06	--	
1320	5050					--	0.13	--	--	0.7	--	0.14	
05/06/75	5050	4.31	9.0C	7.6	145	26A	--	--	--	--	0.04	--	
1400	5050					--	0.13	--	--	0.4	--	0.10	
A2 1010.00 SACRAMENTO RIVER AT KESWICK													
10/11/74	5050	11.0C	7.3	96	6AF	--	--	--	--	--	0.02	--	
1010	5050	8000				--	0.07	--	--	0.1	--	0.03	
11/14/74	5050	12.0C	7.0	115	AAF	--	--	--	--	--	0.02	--	
1450	5050	10000				--	0.08	--	--	0.2	--	0.03	
12/05/74	5050	11.0C	7.0	120	6AF	--	--	--	--	--	0.01	--	
0920	5050	10000				--	0.09	--	--	0.0	--	0.03	
01/15/75	5050	9.0C	7.2	124	5AF	--	--	--	--	--	0.02	--	
1330	5050	6000				--	0.04	--	--	0.1	--	0.02	
02/06/75	5050	8.0C	7.2	114	3AF	--	--	--	--	--	0.02	--	
1145	5050	6000				--	0.08	--	--	0.1	--	0.03	
03/05/75	5050	8.5C	7.2	113	AAF	--	--	--	--	--	0.01	--	
1130	5050	8000				--	0.07	--	--	0.0	--	0.03	
04/21/75	5050	10.5C	7.1	100	4A	--	--	--	--	--	0.01	--	
1100	5050	10000				--	0.06	--	--	0.2	--	0.03	
05/19/75	5050	11.0C	7.4	100	5AF	--	--	--	--	--	0.03	--	
1200	5050	15000				--	0.13	--	--	0.1	--	0.03	
06/17/75	5050	11.0C	7.4	102	3AF	--	--	--	--	--	0.01	--	
0925	5050	14000				--	0.06	--	--	0.0	--	0.02	
07/22/75	5050	12.0C	7.2	109	3AF	--	--	--	--	--	0.01	--	
1045	5050	12000				--	0.09	--	--	0.1	--	0.03	
08/20/75	5050	12.0C	7.1	102	3AF	--	--	--	--	--	0.00	--	
1045	5050	12000				--	0.05	--	--	0.1	--	0.02	
09/11/75	5050	13.5C	7.1	96	1A	--	--	--	--	--	0.01	--	
1125	5050	8000				--	0.04	--	--	0.1	--	0.02	
A3 1110.00 STONY CREEK BELOW BLACK BUTTE DAM													
01/16/75	5050	2.42	8.0C	8.4	347	10A	--	--	--	--	0.00	--	
1355	5050					--	0.21	--	--	--	--	--	
05/20/75	5050	4.94	10.0C	8.0	250	0A	--	--	--	--	0.00	--	
1120	5050					--	0.02	--	--	0.1	--	0.04	
A3 1250.00 STONY CREEK NEAR FRUTO													
11/15/74	5050	14.0C	8.1	662	AA	--	--	--	--	--	0.00	--	
1110	5050					--	0.07	--	--	--	--	--	
12/10/74	5050	7.0C	8.0	679	1AF	--	--	--	--	--	0.00	--	
1125	5050					--	0.35	--	--	--	--	--	
04/22/75	5050	13.0C	8.3	238	5A	--	--	--	--	--	0.02	--	
1100	5050					--	0.00	--	--	0.2	--	0.04	
A3 1302.00 BRINSTONE CREEK NEAR ELK CREEK													
03/06/75	5050	8.0C	7.8	156	85AF	--	--	--	--	--	0.02	--	
1000	5050					--	0.13	--	--	--	--	--	
05/20/75	5050	300 E	11.0C	7.6	131	10A	--	--	--	--	0.00	--	
1025	5050					--	0.02	--	--	--	--	--	

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	W.N. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	FIELD			NUTRIENT			CONSTITUENTS IN MILLIGRAMS					PFR LITR	TOT P
						TURB CAC03	P	T	O N02	O N03	O N02	O DR0	N D	INH3	O15	O N-PO4		
A3 2120.00 THOMAS CREEK AT PASKENTA																		
11/15/74	5050		2.75	11.0C	8.3	408	1AF		--	--	--	--	--	--	--	0.00	--	
1000	5050								--	--	0.03	--	--	--	--	--	--	
03/06/75	5050		4.47	8.0C	7.8	141	70AF		--	--	--	--	--	--	--	0.02	--	
0900	5050								--	--	0.19	--	--	--	--	--	--	
05/20/75	5050		4.58	9.0C	7.7	96	32A		--	--	--	--	--	--	--	0.00	--	
0920	5050					96			--	--	0.08	--	--	--	--	--	--	
A3 3110.00 ELDER CREEK NEAR PASKENTA																		
03/06/75	5050			9.0C	7.9	214	68AF		--	--	--	--	--	--	--	0.02	--	
1020	5050								--	--	0.18	--	--	--	--	--	--	
A4 1110.00 BUTTE CREEK NEAR CHICO																		
05/02/75	5050		2.47	11.0C	7.8		0A		--	--	--	--	--	--	--	0.00	--	
1030	5050					65			--	--	0.00	--	--	0.1	--	--	0.01	
A4 2110.00 810 CHICO CREEK NEAR CHICO																		
05/02/75	5050		2.77	12.5C	7.8		0A		--	--	--	--	--	--	--	0.01	--	
0945	5050					95			--	--	0.01	--	--	0.1	--	--	0.01	
A6 1205.00 SQUIRREL CREEK NEAR PENN VALLEY																		
12/05/74	5050		5.99	48 F	7.2	138	2A		--	--	--	--	--	--	--	0.02	--	
1515	5050		12.6			155			--	--	0.33	--	--	0.2	--	--	0.02	
03/06/75	5050		6.23	50 F	7.2	137			--	--	--	--	--	0.2	--	--	0.02	
0945	5050		22.2						--	--	0.35	--	--	--	--	--	0.02	
06/02/75	5050		6.13	65 F	7.2	108			--	--	--	--	--	0.2	--	--	0.02	
0915	5050		179			123			--	--	0.52	--	--	--	--	--	0.06	
09/18/75	5050		6.00	65 F	7.3	96	0A		--	--	--	--	--	0.2	--	--	0.03	
1130	5050		129			99			--	--	0.26	--	--	--	--	--	0.06	
A8 L 902.7 254.7 1 CLEAR LAKE AT LAKEPORT																		
04/17/75	5050			10.0C	8.0		10A		--	--	--	--	--	--	--	0.01	--	
0730	5050					205			--	--	0.18	--	--	0.5	--	--	0.03	
A8 1250.00 BEAR CREEK NEAR RUMSEY																		
10/04/74	5050		1.15	21.0C	8.3	3540	1AF		--	--	--	--	--	--	--	0.02	--	
1140	5050								--	--	1.6	--	--	--	--	--	--	
12/05/74	5050		1.65	9.0C	8.3	2560	6AF		--	--	--	--	--	--	--	0.01	--	
1220	5050								--	--	1.1	--	--	--	--	--	--	
04/17/75	5050		2.00	12.0C	9.2	1300	1A		--	--	0.71	--	--	0.4	--	--	0.00	
1110	5050								--	--	--	--	--	--	--	--	0.00	
09/05/75	5050		1.09	24.0C	8.3	3200	0A		--	--	1.0	--	--	--	--	--	0.01	
1140	5050								--	--	--	--	--	--	--	--	--	
A8 1350.00 CACHE CREEK NEAR LOWER LAKE																		
10/04/74	5050																	

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	O.H. DISCH.	TEMP DEPTH	F-PH	F-EC LAB EC	FIELD				NUTRIENT		CONSTITUENTS IN MILLIGRAMS PER LITER				O-PO4 T	O-TOT P T
						TURB F-CO2	CAO3 T	O NO2 + NO3 T NH3	O NO2 T	O DRB N T	O NH3 + T DRB N	O15 A.M.P.O4	O-PO4 T	O-TOT P T			
89 D 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE														CONTINUED			
11/18/74	5001		13	C	7.7	440	11AF			--	--	0.62	0.7			0.08	--
1240	5001		3						0.08	0.58	0.76	0.84		--	--	--	0.13
12/17/74	5001		11	C	7.7	373	11AF			--	--	0.44	0.5			0.07	--
1220	5001		3						0.06	0.50	0.52	0.58		--	--	--	0.12
01/21/75	5001		10	C	7.4	597	8AF			--	--	0.24	0.4			0.08	--
1515	5001		3						0.16	0.81	0.38	0.54		--	--	--	0.14
02/03/75	5001		10	C		562	12AF			--	--	0.52	0.6			0.07	--
1410	5001		3						0.08	0.67	0.66	0.74		--	--	--	0.14
03/18/75	5001		12	C	7.5	381	25AF	62		0.71	0.01	0.4	--			0.10	--
1010	5000		3						0.04	0.70	0.6	0.64		--	--	--	0.16
04/01/75	5001		12	C	7.7	373	26AF	62		0.71	0.01	0.4	--			0.07	--
1150	5000		3						0.02	0.70	0.6	0.62		--	--	--	0.14
04/18/75	5001		14	C	7.8	641	21AF	89		0.98	0.01	0.4	--			0.09	--
1310	5000		3						0.01	0.97	0.6	0.61		--	--	--	0.18
05/01/75	5001		18	C	7.8	695	22AF	101		0.93	0.01	0.4	--			0.15	--
1235	5000		3						0.02	0.92	0.7	0.72		--	--	--	0.21
05/15/75	5001		18	C	7.9	420	18AF	69		0.4	0.01	0.4	--			0.07	--
1115	5000		3						0.00	0.39	0.5	0.5		--	--	--	0.15
06/03/75	5001		20	C	7.5	211	22AF	39		0.25	0.00	0.5	--			0.06	--
1600	5000		3						0.00	0.25	0.5	0.5		--	--	--	0.15
06/17/75	5001		20	C	7.5	153	21AF	33		0.31	0.00	0.3	--			0.05	--
1525	5000		3						0.00	0.31	0.4	0.4		--	--	--	0.13
06/25/75	5000		20	C	7.9	541	28AF	93		--	--	0.18	--			0.07	--
1225	5001		3						0.02	0.72	0.80	0.82		--	--	--	0.23
07/01/75	5001		21	C	8.2	708	26AF	113		0.92	0.01	0.2	0.9			0.07	--
1435	5000		3						0.02	0.91	0.9	0.92		--	--	--	0.23
07/15/75	5001		22	C	8.5	837	25AF			0.95	0.01	0.3	--			0.07	--
1400	5000		3						0.00	0.94	1.1	1.1		--	--	--	0.23
07/23/75	5000		26	C	8.2	806	35AF			--	--	0.65	--			0.08	--
1200	5001							106		0.05	1.10	1.45	1.5		--	--	0.29
08/12/75	5001		25.0C	C	7.4	843	28AF			1.13	0.03	0.8	--			0.11	--
1525	5000		3						0.08	1.1	1.0	1.08		--	--	--	0.15
08/26/75	5001		24	C	7.7	643	19AF			1.02	0.02	0.4	--			0.12	--
1120	5000		3						0.02	1.0	0.9	0.92		--	--	--	0.16
09/11/75	5001		22	C	7.8	512	17AF			0.88	0.01	0.6	--			0.07	--
1315	5000		3						0.04	0.87	0.6	0.64		--	--	--	0.14
09/25/75	5001		22	C	7.7	410	18AF			0.76	0.01	0.4	--			0.07	--
1240	5000		3						0.03	0.75	0.4	0.43		--	--	--	0.24
89 D 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE																	
10/03/74	5001		19	C	7.8	415	17AF			--	--	0.58	0.7			0.05	--
0945	5001		3						0.12	0.62	0.98	1.10		--	--	--	0.14
10/17/74	5001		18	C	7.3	498	18AF			--	--	0.63	1.0			0.08	--
0950	5001		3						0.37	0.70	0.99	1.36		--	--	--	0.19
11/07/74	5001		13	C	7.3	278	14AF			--	--	0.76	0.9			0.07	--
1455	5001		3						0.14	0.58	0.86	1.00		--	--	--	1.11
11/19/74	5001		13	C	7.6	470	12AF			--	--	0.65	0.8			0.09	--
1245	5001		3						0.15	0.62	0.77	0.92		--	--	--	0.15
12/18/74	5001		10	C	7.4	464	10AF			--	--	0.25	0.6			0.14	--
1200	5001		3						0.35	0.53	0.33	0.68		--	--	--	0.22
01/22/75	5001		9	C	7.4	595	9AF			--	--	0.48	0.7			0.12	--
1515	5001		3						0.22	0.75	0.60	0.82		--	--	--	0.19
02/04/75	5001		10	C	7.7	590	14AF	71		--	--	0.59	0.7			0.07	--
1455	5001		3						0.11	0.68	0.77	0.88		--	--	--	0.15
03/19/75	5001		12	C	7.6	424	18AF	67		0.81	0.01	0.4	--			0.11	--
0930	5000		3						0.06	0.80	0.4	0.46		--	--	--	0.16
04/01/75	5001		11	C	7.7	382	23AF	62		0.63	0.00	0.4	--			0.07	--
1110	5000		3						0.02	0.63	0.5	0.52		--	--	--	0.13
04/18/75	5001		14	C	8.2	665	17AF	93		0.92	0.02	0.4	--			0.13	--
1225	5000		3						0.01	0.90	0.8	0.81		--	--	--	0.25
05/01/75	5001		17	C	8.2	753	20AF	106		0.83	0.02	0.6	--			0.12	--
1115	5000		3						0.01	0.81	1.0	1.01		--	--	--	0.23
05/15/75	5001		18	C	8.1	534	20AF	85		0.35	0.01	0.4	--			0.10	--
1015	5000		3						0.02	0.34	0.8	0.82		--	--	--	0.20
06/03/75	5001		21	C	7.7	250	25AF	45		0.16	0.00	0.5	--			0.06	--
1515	5000		3						0.00	0.16	0.6	0.6		--	--	--	0.18
06/17/75	5001		20	C	7.7	180	24AF	38		0.52	0.01	0.4	--			0.07	--
1425	5000		3						0.03	0.51	0.4	0.43		--	--	--	0.13
07/01/75	5001		20	C	8.7	758	27AF			0.99	0.01	0.6	--			0.06	--
1340	5000		3					111		0.00	0.98	1.1	1.1		--	--	0.24
07/15/75	5001		22	C	8.2	945	27AF			0.85	0.03	0.3	--			0.09	--
1300	5000		3					136		0.16	0.62	1.1	1.26		--	--	0.26
08/12/75	5001		25.0C	C	7.4	878	32AF	*		1.14	0.04	0.9	--			0.17	--
1430	5000		3						0.14	1.1	1.1	1.24		--	--	--	0.17

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.W. OTSCN	TEMP DEPTH	F-HPH LAB	F-EC LAB	FIELD		D 402 + 403		NUTRIENT		CONSTITUENTS IN MILLIGRAMS PER LITER				O TOT T TOT
						TUB8 F-CO2	CAC03 T	0 T NH3	0 NO3	0 OR6 N	0 T OR6 N	0 NH3 + T OR6 N	0 P04 A.M.P04	0 A.M.P04		
R9 D 744.3 126.9 OLG RIVER AT TRACY ROAD BRIDGE																
CONTINUED																
09/26/74 1025	50J1 50J0		23 C 3	7.8	650	24AF		1.12 0.10	0.02 1.1	0.3 0.9	-- 1.0	--	--	0.10 --	--	0.19
09/11/75 1225	50J1 50J0		22 C 3	7.8	515	23AF		0.82 0.07	0.02 0.80	0.6 0.7	-- 0.77	--	--	0.07 --	--	0.16
09/25/75 1145	50J1 50J0		23 C 3	7.5	501	22AF		0.7 0.10	0.02 0.68	0.5 0.5	-- 0.6	--	--	0.09 --	--	0.25
R9 D 749.4 133.2 WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CT FOREBAY																
10/03/74 1035	50J1 50J0		20 C 3	7.8	304	20AF		-- 0.07	-- 0.35	0.53 0.67	0.6 0.74	--	--	0.06 --	--	0.12
10/17/74 1040	50J1 50J0		19 C 3	7.3	235	21AF		-- 0.08	-- 0.40	0.54 0.68	0.6 0.74	--	--	0.06 --	--	0.13
11/07/74 1550	50J1 50J0		13 C 3	7.3	311	16AF		-- 0.15	-- 0.65	0.55 0.65	0.7 0.80	--	--	0.07 --	--	0.12
11/19/74 1330	50J1 50J0		13 C 3	7.5	520	11AF		-- 0.15	-- 0.79	0.55 0.67	0.7 0.82	--	--	0.09 --	--	0.14
12/18/74 1300	50J1 50J0		10 C 3	7.5	403	17AF		-- 0.07	-- 0.92	0.33 0.39	0.4 0.46	--	--	0.07 --	--	0.14
01/22/75 1615	50J1 50J0		7 C 3	7.2	432	20AF		-- 0.13	-- 1.60	0.67 0.79	0.8 0.92	--	--	0.08 --	--	0.16
02/04/75 1600	50J1 50J0		9 C 3	7.5	354	21AF		-- 0.11	-- 0.92	0.14 0.81	0.8 0.92	--	--	0.07 --	--	0.14
03/18/75 1155	50J0 50J0		12 C 3	7.5	412	10AF	64	0.81 0.03	0.01 0.80	0.5 0.5	-- 0.53	--	--	0.10 --	--	0.14
04/01/75 1210	50J1 50J0		12 C 3	7.8	377	21AF	64	0.83 0.04	0.01 0.82	0.4 0.5	-- 0.54	--	--	0.09 --	--	0.14
04/16/75 1105	50J1 50J0		13 C 3	7.8	284	24AF		0.7 0.02	0.03 0.67	0.2 0.4	0.42 0.42	--	--	0.08 --	--	0.11
05/01/75 1225	50J1 50J0		16 C 3	7.7	233	21AF	56	0.33 0.01	0.00 0.33	0.1 0.3	0.31 0.31	--	--	0.07 --	--	0.10
05/15/75 1110	50J1 50J0		14 C 3	7.8	235	25AF	54	0.17 0.00	0.00 0.17	0.2 0.4	0.4 0.4	--	--	0.05 --	--	0.12
06/03/75 1835	50J1 50J0		21 C 3	7.8	241	25AF	52	0.54 0.07	0.00 0.54	0.3 0.5	0.52 0.52	--	--	0.06 --	--	0.14
06/17/75 1555	50J1 50J0		21 C 3	7.6	220	28AF		0.4 0.00	0.00 0.40	0.2 0.4	0.4 0.4	--	--	0.06 --	--	0.12
07/01/75 1525	50J1 50J0		22 C 3	7.6	227	31AF	48	0.47 0.00	0.01 0.46	0.4 0.4	0.4 0.4	--	--	0.08 --	--	0.16
07/15/75 1440	50J1 50J0		23 C 3	7.6	208	23AF		0.36 0.00	0.00 0.30	1.0 1.0	1.0 1.0	--	--	0.07 --	--	0.11
0																

NUTRIENT ANALYSIS OF SURFACE WATER

CONTINUED

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.W. O1500	TEMP DEPTH	F-PH L48 EC	F-EC F-CO2	TURB CAC03 T	FIELD			NUTRIENT			CONSTITUENTS IN MILLIGRAMS			PPB LITFR	O TOT T TOT
							CAC03 P	O NO2	NO3	O NO2	O DR0 N	O NH3	O15	O N-PO4			
RQ 0 756.7 122.9 SAN JOAQUIN RIVER AT RUCKLEY COVE										CONTINUED							
04/16/75	5001		15 C	7.2	395	154F		0.82	0.06	0.4	--				n.11	--	
0835	5050		3					0.04	0.76	0.6	0.64	--	--	--	--	0.17	
05/01/75	5001		17 C	8.1	549	124F		--	0.02	0.3	--				0.23	--	
0955	5050		3			86		0.06	0.76	0.8	0.86	--	--	--	--	0.28	
05/01/75	5020		17 C	7.9	541	174F		--	--	--	--				--	--	
0956	5020		35			88		--	--	--	--	--	--	--	--	--	
05/15/75	5001		20 C	8.2	453	134F		0.54	0.02	0.3	--				n.21	--	
0855	5020		3			80		0.05	0.52	0.8	0.85	--	--	--	--	0.30	
06/03/75	5001		22 C	9.1	333	174F		0.37	0.01	0.4	--				n.18	--	
1400	5020		3			57		0.05	0.36	0.7	0.75	--	--	--	--	0.24	
06/17/75	5001		22 C	7.6	197	184F		0.39	0.01	0.2	--				n.10	--	
1330	5020		3					0.04	0.38	0.4	0.44	--	--	--	--	0.15	
07/01/75	5001		23 C	7.5	415	154F		0.96	0.03	0.3	--				n.14	--	
1305	5020		3			71		0.11	0.93	0.4	0.51	--	--	--	--	0.20	
07/15/75	5001		24 C	7.7	560	114F		0.79	0.03	0.7	--				n.13	--	
1200	5020		3					0.10	0.76	0.7	0.8	--	--	--	--	0.16	
08/12/75	5001		25.0 C	8.0	426	154F		0.15	0.1	0.8	--				n.09	--	
1015	5020		3			80		0.07	0.14	0.8	0.87	--	--	--	--	0.15	
08/25/75	5001		25 C	7.6	566	124F		0.57	0.04	0.7	--				n.24	--	
0855	5020		3					0.36	0.53	0.8	1.16	--	--	--	--	0.39	
09/11/75	5001		24 C	8.2	620	124F		1.45	0.56	0.8	--				n.32	--	
1100	5020		3					0.28	0.89	0.8	1.08	--	--	--	--	0.46	
09/26/75	5001		24 C		512	84F		1.39	0.09	0.6	--				n.24	--	
1105	5020		3					0.21	1.3	0.6	0.81	--	--	--	--	0.39	
RQ 0 754.8 124.5 TURNER CUT AT McDONALD ISLAND FERRY																	
10/01/74	5001		21 C	7.5	403	154F		--	--	0.38	0.6				n.13	--	
0925	5001							0.22	0.57	0.58	0.80	--	--	--	--	0.22	
10/16/74	5001		18 C	7.6	435	164F		--	--	0.34	0.5				n.11	--	
0820	501																

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. DISCH.	TEMP DEPTH	F-WH LAH	F-EC EC	FIELD			D T	NUTRIENT		CONSTITUENTS IN MILLIGRAMS PER LITER				D T	P TOT
						TUMB F-CO2	CAO3 P	CAO3 T		NO2 T	NO3 D	NO3 D	ORG N T	ORG N D	ORG N D		
R9 0 R01.1 142.6 RIG BREAK NEAR OAKLEY																	
CONTINUED																	
09/17/75	S001		21	C	8.1	243	20AF		0.09	0.00	0.4	--	--	--	0.05	--	
1635	S020		3						0.00	0.09	0.4	0.4	--	--	--	0.12	
R9 0 R01.2 144.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL																	
10/09/74	S001		19	C	7.9	178	17AF		--	--	0.25	0.3	--	--	0.05	--	
1135	S001		3						0.05	0.13	0.37	0.42	--	--	--	0.12	
10/23/74	S001		18	C	7.7	175	19AF		--	--	0.18	0.2	--	--	0.05	--	
1105	S001		7						0.02	0.14	0.26	0.28	--	--	--	0.12	
11/21/74	S001		14	C	7.8	175	15AF		--	--	0.15	0.2	--	--	0.07	--	
1135	S001		3						0.05	0.29	0.23	0.28	--	--	--	0.10	
12/11/74	S001		10	C	7.5	136	25AF		--	--	0.15	0.2	--	--	0.05	--	
1505	S001		3						0.05	0.23	0.19	0.24	--	--	--	0.11	
01/08/75	S001		8	C	7.6	273	17AF		--	--	0.13	0.2	--	--	0.07	--	
1355	S001		3						0.07	0.36	0.17	0.24	--	--	--	0.11	
02/06/75	S001		9	C	7.7	342	20AF		--	--	0.24	0.3	--	--	0.07	--	
1415	S001		7						0.06	0.34	0.32	0.38	--	--	--	0.12	
03/20/75	S001		17	C	7.6	222	50AF		0.38	0.00	0.2	--	--	--	0.06	--	
1024	S020		3						0.01	0.38	0.3	0.31	--	--	--	0.12	
04/03/75	S001		17	C	7.8	185	50AF		0.35	0.00	0.3	--	--	--	0.04	--	
1115	S020		3						0.01	0.35	0.3	0.31	--	--	--	0.11	
04/23/75	S001		15	C	7.9	179	21AF		0.22	0.00	0.2	--	--	--	0.06	--	
1535	S020		3						0.00	0.22	0.2	0.2	--	--	--	0.07	
05/08/75	S001		14	C	8.1	146	18AF		0.07	0.00	0.1	--	--	--	0.04	--	
1555	S020		7						0.00	0.07	0.3	0.3	--	--	--	0.08	
05/22/75	S001		14	C	8.2	179	19AF		0.	0.00	0.2	--	--	--	0.03	--	
1605	S020		3						0.00	0.00	0.3	0.3	--	--	--	0.07	
06/05/75	S001		21	C	8.0	167	19AF		0.04	0.00	0.1	--	--	--	0.04	--	
1625	S020		3						0.00	0.04	0.3	0.3	--	--	--	0.06	
06/19/75	S001		20	C	7.7	157	21AF		0.09	0.00	0.1	--	--	--	0.05	--	
1420	S020		7						0.00	0.09	0.3	0.3	--	--	--	0.09	
07/03/75	S001		20	C	7.8	169	21AF		0.1	0.00	0.3	--	--	--	0.05	--	
1335	S020		7						0.06	0.10	0.3	0.36	--	--	--	0.05	
07/17/75	S001		22	C	7.9	426	19AF		0.12	0.00	0.2	--	--	--	0.05	--	
1430	S020		3						0.07	0.12	0.5	0.57	--	--	--	0.08	
08/14/75	S001		21	C	8.1	1150	20AF		0.17	0.00	0.3	--	--	--	0.06	--	
1130	S020		3						0.00	0.17	0.3	0.3	--	--	--	0.09	
08/27/75	S001		22	C	7.9	707	20AF		0.14	0.00	0.2	--	--	--	0.05	--	
0855	S020		3						0.00	0.14	0.2	0.2	--	--	--	0.12	
09/03/75	S001		22	C	7.8	527	20AF		0.12	0.00	0.1	--	--	--	0.07	--	
1640	S020		7						0.00	0.12	0.3	0.3	--	--	--	0.14	
09/17/75	S001		20	C	8.0	409	21AF		--	0.00	0.4	--	--	--	0.06	--	
1605	S020		3						0.00	0.10	0.5	0.5	--	--	--	0.13	
R9 0 R02.4 125.1 DISAPPOINTMENT SLOUGH AT HISHOP CREEK																	
10/02/74	S001		20	C	7.2	172	18AF		--	--	0.46	0.5	--	--	0.06	--	
0800	S001		3						0.04	0.00	0.66	0.70	--	--	--	0.13	
10/16/74	S001		17	C	7.2	142	17AF		--	--	0.45	0.5	--	--	0.06	--	
0745	S001		7						0.05	0.15	0.59	0.64	--	--	--	0.13	
11/06/74	S001		15	C	7.3	231	16AF		--	--	0.54	0.6	--	--	0.07	--	
1225	S001		3						0.06	0.34	0.68	0.74	--	--	--	0.14	
11/18/74	S001		14	C	7.4	240	16AF		--	--	0.64	0.7	--	--	0.09	--	
1040	S001		3						0.06	0.37	0.82	0.88	--	--	--	0.15	
12/17/74	S001		10	C	7.4	277	13AF		--	--	0.63	0.8	--	--	0.13	--	
1015	S001		7						0.17	0.44	0.73	0.90	--	--	--	0.18	
01/21/75	S001		4	C	7.2	372	17AF		--	--	0.66	0.8	--	--	0.17	--	
1335	S001		7						0.14	1.50	0.78	0.92	--	--	--	0.22	
02/03/75	S001		4	C		407	18AF		--	--	0.57	0.8	--	--	0.15	--	
1240	S001		3						0.23	1.16	0.75	0.98	--	--	--	0.28	
03/18/75	S001		11	C	8.1	209	33AF		0.40	0.01	0.1	--	--	--	0.25	--	
0805	S020		7						0.15	0.60	0.2	0.34	--	--	--	0.32	
04/01/75	S001		11	C	7.7	365	31AF		0.78	0.01	0.5	--	--	--	0.23	--	
0955	S020		3						0.04	0.77	0.6	0.64	--	--	--	0.29	
04/18/75	S001		14	C	7.8	317	22AF		0.74	0.00	0.4	--	--	--	0.16	--	
1020	S020		7						0.00	0.34	0.6	0.6	--	--	--	0.25	
05/01/75	S001		17	C	7.7	229	22AF		0.11	0.00	0.4	--	--	--	0.12	--	
1005	S020		3						0.00	0.11	0.5	0.5	--	--	--	0.18	
05/15/75	S001		17	C	7.4	144	22AF		0.08	0.00	0.3	--	--	--	0.07	--	
0830	S020		3						0.01	0.08	0.3	0.31	--	--	--	0.14	
06/03/75	S001		22	C	7.3	165	23AF		0.09	0.00	0.5	--	--	--	0.09	--	
1345	S020		7						0.00	0.09	0.5	0.5	--	--	--	0.14	
06/17/75	S001		21	C	7.5	215	22AF		0.71	0.00	0.4	--	--	--	0.10	--	
1255	S020		7						0.00	0.31	0.4	0.4	--	--	--	0.13	
07/01/75	S001		22	C	7.7	234	28AF		0.27	0.00	0.7	--	--	--	0.08	--	
1205	S020		7						0.00	0.27	0.7	0.7	--	--	--	0.17	
07/15/75	S001		22	C	8.1	237	28AF		0.3	0.00	0.3	--	--	--	0.08	--	
1130	S020		7						0.04	0.30	0.4	0.44	--	--	--	0.14	

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SWAMP L&H	G.W. DISCH	TEMP DEPTH	F-PH LAR	F-EC EC	FIELD		NUTRIENT		CONSTITUENTS IN MILLIGRAMS				PER LITR O.D.	TOT P TOT P
						TURB CACO3 P CACO3 T	NO2 + NO3 T NH3	NO2 U NO3	NO3 T ORG N	NO3 T ORG N	NO3 T ORG N	NO3 T ORG N			
NW D 802.6 125.1 0154 PROTECTIVE SLOUGH AT BISHOP CUT															
CONTINUED															
09/12/75 1235	5001 5030		21.0 3	6.8	260	184F		0.16 0.03	0.00 0.16	0.5 0.53	--	--	0.09 --	-- 0.15	
09/26/75 0905	5001 5030		24 3	7.4	228	174F		0.16 0.03	0.00 0.16	0.2 0.44	0.43	--	0.07 --	-- 0.12	
09/11/75 1035	5001 5030		22 3	7.7	221	154F		0.09 0.00	0.00 0.00	0.3 0.3	--	--	0.05 --	-- 0.11	
09/25/75 1020	5001 5030		23 3	7.6	250	214F		0.09 0.01	0.00 0.09	0.3 0.3	--	--	0.09 --	-- 0.18	
RS D 802.6 136.8 FRANKS TRACT NEAR RUSSELLS LANDING															
10/08/74 1205	5001 5001		18 3	7.9	160	144F		-- 0.03	-- 0.17	0.17 0.29	0.2 0.32	--	0.04 --	-- 0.10	
11/20/74 1120	5001 5001		13 3	7.7	201	124F		-- 0.04	-- 0.39	0.26 0.32	0.3 0.36	--	0.06 --	-- 0.10	
12/10/74 1530	5001 5001		10 3	7.6	202	104F		-- 0.04	-- 0.35	0.06 0.10	0.1 0.14	--	0.06 --	-- 0.10	
01/07/75 1445	5001 5001		7 3	7.6	209	124F		-- 0.09	-- 0.49	0.21 0.25	0.3 0.34	--	0.06 --	-- 0.10	
02/05/75 1355	5001 5001		8 3	7.3	211	144F		-- 0.08	-- 0.39	0.32 0.38	0.4 0.36	--	0.06 --	-- 0.11	
03/19/75 1035	5001 5030		12 3	7.6	263	324F	80	0.51 0.05	0.00 0.51	0.3 0.3	0.35	--	0.08 --	-- 0.12	
04/02/75 1055	5001 5030		12 3	7.6	206	374F	50	0.42 0.03	0.00 0.42	0.3 0.4	0.43	--	0.06 --	-- 0.12	
04/22/75 1605	5001 5030		15 3	7.8	168	184F	54	0.27 0.00	0.00 0.27	0.2 0.2	0.2	--	0.05 --	-- 0.09	
05/07/75 1610	5001 5030		17 3	8.2	139	174F	48	0.1 0.00	0.00 0.10	0.1 0.2	0.2	--	0.04 --	-- 0.08	
05/21/75 1525	5001 5030		18 3	8.2	137	234F	46	0.01 0.00	0.00 0.01	0.1 0.3	0.3	--	0.03 --	-- 0.10	
06/04/75 1440	5001 5030		24 3	8.4	167	174F	49	0.05 0.00	0.00 0.05	0.2 0.3	0.3	--	0.04 --	-- 0.09	
06/18/75 1410	5001 5030		21 3	7.8	154	244F	45	0.16 0.00	0.00 0.16	0.2 0.4	0.4	--	0.05 --	-- 0.10	
07/02/75 1310	5001 5030		21 3	7.8	146	244F	47	0.24 0.00	0.00 0.24	0.2 0.3	0.3	--	0.05 --	-- 0.09	
07/16/75 1235	5001 5030		22 3	7.9	163	144F		0.25 0.05	0.00 0.25	0.2 0.8	0.85	--	0.06 --	-- 0.06	
08/13/75 1120	5001 5030		22 3	8.0	202	174F	53	0.11 0.01	0.00 0.11	0.1 0.2	0.21	--	0.06 --	-- 0.09	
08/26/75 1600	5001 5030		22 3	8.0	211	164F	57	0.07 0.00	0.00 0.07	0.2 0.2	0.2	--	0.05 --	-- 0.10	
09/02/75 1550	5001 5030		24 3	8.5	230	114F		0.04 0.00	0.00 0.04	0.2 0.3	0.3	--	0.06 --	-- 0.08	
09/16/75 1610	5001 5030		21 3	8.2	204	114F		0.11 0.00	0.00 0.11	0.3 0.4	0.4	--	0.06 --	-- 0.10	
RS D 802.6 147.8 SHERMAN LAKE NEAR WATKINSON															
10/08/74 1020	5001 5001		19 3	7.8	186	174F		-- 0.04	-- 0.13	0.56 0.68	0.6 0.70	--	0.05 --	-- 0.10	
11/20/74 0935	5001 5001		14 3	7.7	184	124F		-- 0.03	-- 0.31	0.37 0.43	0.4 0.46	--	0.06 --	-- 0.10	
12/10/74 1325	5001 5001		10 3	7.6	148	204F		-- 0.05	-- 0.22	0.25 0.29	0.3 0.34	--	0.05 --	-- 0.08	
01/07/75 1240	5001 5001		7 3	7.6	235	144F		-- 0.07	-- 0.36	0.23 0.27	0.3 0.34	--	0.07 --	-- 0.10	
02/05/75 1145	5001 5001		9 3	7.2	254	184F		-- 0.08	-- 0.29	0.32 0.38	0.4 0.46	--	0.06 --	-- 0.11	
03/19/75 0800	5001 5030		11 3	7.6	157	484F	62	0.22 0.02	0.00 0.22	0.2 0.3	0.32	--	0.05 --	-- 0.09	
04/02/75 0835	5001 5030		11 3	7.7	149	664F	56	0.17 0.02	0.00 0.17	0.2 0.2	0.22	--	0.04 --	-- 0.09	
04/22/75 1340	5001 5030		14 3	7.9	180	264F	58	0.25 0.00	0.00 0.25	0.2 0.2	0.2	--	0.05 --	-- 0.09	
05/07/75 1420	5001 5030		16 3	7.8	141	234F	44	0.13 0.00	0.00 0.13	0.0 0.2	--	--	0.05 --	-- 0.08	
05/21/75 1335	5001 5030		17 3	8.1	144	234F	48	0.01 0.00	0.00 0.01	0.1 0.3	--	--	0.03 --	-- 0.09	
06/04/75 1300	5001 5030		21 3	7.8	158	164F	54	0.1 0.02	0.00 0.10	0.2 0.2	0.22	--	0.05 --	-- 0.08	
06/18/75 1220	5001 5030		20 3	7.4	140	224F	41	0.09 0.00	0.00 0.09	0.1 0.3	--	--	0.04 --	-- 0.09	
07/02/75 1110	5001 5030		20 3	8.0	154	254F	51	0.15 0.01	0.00 0.15	0.2 0.3	0.31	--	0.05 --	-- 0.09	
07/16/75 1050	5001 5030		21 3	7.8	425	234F		0.17 0.04	0.00 0.17	0.3 0.7	--	--	0.04 --	-- 0.04	

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.W. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	TURB F-CO2	FIELD		NUTRIENT			CONSTITUENTS IN MILLIGRAMS PER LITER				O TOT P		
							CACO3	P	O N02 + N03	O N03	O ORG N	O N03 + O ORG N	O NH3 + O NH4	O NH4				
H9 0 802.6 147.6 SHERMAN LAKE NEAR ANTILOCH																		
CONTINUED																		
08/13/75	5001		20	C	8.0	870	32AF	55	0.16	0.00	0.4	--	--	--	0.06	--		
0930	5000		3						0.03	0.16	0.4	0.43	--	--	--	0.06		
08/26/75	5001		21	C	7.9	832	31AF	58	0.16	0.00	0.2	--	--	--	0.07	--		
0720	5000		3						0.00	0.16	0.2	0.2	--	--	--	0.08		
09/02/75	5001		22	C	7.9	498	23AF		0.14	0.00	0.2	--	--	--	0.07	--		
1400	5050		3						0.00	0.14	0.2	0.2	--	--	--	0.09		
09/16/75	5001		20	C	8.0	416	20AF		0.14	0.00	0.1	--	--	--	0.04	--		
1410	5000		3						0.00	0.14	0.2	0.2	--	--	--	0.14		
H9 0 802.9 139.0 SAN JOAQUIN RIVER NEAR MOUTH OF MIDDLE RIVER																		
10/01/74	5001		20	C	7.6	208	13AF		--	--	0.17	0.2	--	--	0.06	--		
0800	5001		3						0.03	0.22	0.29	0.32	--	--	--	0.10		
10/16/74	5001		18	C	7.6	161	11AF		--	--	0.15	0.2	--	--	0.06	--		
0700	5001		3						0.05	0.31	0.21	0.26	--	--	--	0.10		
11/06/74	5001		15	C	7.4	219	9AF		--	--	0.44	0.5	--	--	0.07	--		
1230	5001		3						0.06	0.41	0.50	0.56	--	--	--	0.10		
11/18/74	5001		14	C	7.7	210	10AF		--	--	0.24	0.3	--	--	0.07	--		
1030	5001		3						0.06	0.41	0.28	0.34	--	--	--	0.10		
12/17/74	5001		10	C	7.2	253	10AF		--	--	0.11	0.2	--	--	0.09	--		
0905	5001		3						0.09	0.56	0.15	0.24	--	--	--	0.12		
02/03/75	5001		A	C	7.3	225	11AF		--	--	0.47	0.6	--	--	0.07	--		
1130	5001		3						0.13	0.38	0.55	0.68	--	--	--	0.13		
H9 0 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT																		
10/08/74	5001		19	C	6.0	155	13AF		--	--	0.17	0.2	--	--	0.04	--		
1145	5001		3						0.03	0.13	0.25	0.28	--	--	--	0.09		
11/20/74	5001		13	C	7.7	177	10AF		--	--	0.26	0.3	--	--	0.07	--		
1100	5001		3						0.04	0.33	0.32	0.36	--	--	--	0.10		
12/10/74	5001		11	C	7.6	178	11AF		--	--	0.07	0.1	--	--	0.05	--		
1500	5001		3						0.03	0.26	0.13	0.16	--	--	--	0.09		
01/07/75	5001		7	C	7.7	230	10AF		--	--	--	--	--	--	--	--		
1420	5001		3						0.10	0.44	0.24	0.34	--	--	--	--		
02/05/75	5001		8	C	7.4	223	13AF		--	--	0.45	0.5	--	--	0.06	--		
1330	5001		3						0.05	0.38	0.53	0.58	--	--	--	0.11		
03/19/75	5001		11	C	7.6	230	52AF	58	0.4	0.00	0.3	--	--	--	0.06	--		
1010	5030		3						0.04	0.40	0.3	0.34	--	--	--	0.14		
04/02/75	5001		11	C	7.7	183	54AF	53	0.33	0.00	0.2	--	--	--	0.06	--		
1025	5030		3						0.01	0.33	0.3	0.31	--	--	--	0.12		
04/22/75	5001		14	C	7.8	171	19AF		0.27	0.00	0.1	--	--	--	0.05	--		
1540	5030		3						0.00	0.27	0.2	0.2	--	--	--	0.10		
05/07/75	5001		16	C	8.0	143	16AF	48	0.12	0.00	0.0	--	--	--	0.05	--		
1550	5030		3						0.02	0.12	0.2	0.22	--	--	--	0.07		
05/21/75	5001		17	C	8.0	134	17AF	46	0.06	0.00	0.1	--	--	--	0.04	--		
1500	5030		3						0.00	0.06	0.3	0.3	--	--	--	0.07		
06/04/75	5001		21	C	7.9	161	16AF	51	0.11	0.00	0.2	--	--	--	0.05	--		
1420	5030		3						0.00	0.11	0.3	0.3	--	--	--	0.09		
06/18/75	5001		20	C	7.0	146	19AF	46	0.15	0.00	0.1	--	--	--	0.05	--		
1345	5030		3						0.00	0.15	0.3	0.3	--	--	--	0.09		
07/02/75	5001		20	C	7.8	149	19AF	48	0.2	0.00	0.1	--	--	--	0.05	--		
1245	5030		3						0.00	0.20	0.2	0.2	--	--	--	0.08		
07/16/75	5001		22	C	7.9	174	16AF		0.25	0.00	0.5	--	--	--	0.06	--		
1215	5030		3						0.00	0.25	0.5	0.5	--	--	--	0.09		
08/13/75	5001		22	C	8.0	357	18AF	54	0.12	0.00	0.3	--	--	--	0.06	--		
1100	5030		3						0.02	0.12	0.3	0.32	--	--	--	0.06		
08/26/75	5001		22	C	7.8	342	17AF	56	0.09	0.00	0.2	--	--	--	0.06	--		
0935	5030		3						0.00	0.09	0.2	0.2	--	--	--	0.11		
09/02/75	5001		22	C	8.0	270	13AF		0.11	0.00	0.1	--	--	--	0.06	--		
1530	5030		3						0.00	0.11	0.2	0.2	--	--	--	0.09		
09/16/75	5001		20	C	7.0	246	12AF		0.1	0.00	0.3	--	--	--	0.06	--		
1540	5030		3						0.00	0.10	0.3	0.3	--	--	--	0.11		
H9 0 803.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO																		
10/08/74	5001		19	C	7.7	175	17AF		--	--	0.15	0.2	--	--	0.05	--		
1800	5001		3						0.04	0.13	0.25	0.30	--	--	--	0.10		
11/20/74	5001		13	C	7.7	152	11AF		--	--	0.24	0.3	--	--	0.07	--		
0900	5001		3						0.06	0.24	0.28	0.34	--	--	--	0.10		
12/10/74	5001		11	C	7.6	145	26AF		--	--	0.24	0.3	--	--	0.05	--		
1305	5001		3						0.06	0.21	0.28	0.34	--	--	--	0.09		
01/07/75	5001		7	C	7.2	344	17AF	43	--	--	0.31	0.4	--	--	0.07	--		
1215	5001		3						0.09	0.34	0.39	0.48	--	--	--	0.10		
02/05/75	5001		8	C	7.3	257	17AF		--	--	0.41	0.5	--	--	0.07	--		
1120	5001		3						0.09	0.20	0.51	0.60	--	--	--	0.11		
03/19/75	5001		11	C	7.6	201	46AF	64	0.28	0.00	0.2	--	--	--	0.05	--		
0730	5030		3						0.02	0.28	0.3	0.32	--	--	--	0.08		
04/02/75	5001		11	C	7.9	146	66AF	56	0.18	0.00	0.2	--	--	--	0.03	--		
0800	5030		3						0.01	0.18	0.2	0.21	--	--	--	0.09		

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAR# LAB	O.H. DISC.	TEMP DEPTH	F-PH L48 EC	F-EC L48 EC	FIELD				NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER							TOT P T TOT P	
						TUOH F-CO2	CAD03 P	T	N02 + T N03	N03 C	O DRG N T DRG N	D NH4+ T DRG N	O15 A.N.P.O4	PFR T N-PO4	LITR T TOT P			
RV D 801.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO CONTINUED																		
04/22/75 1305 S010	S001		14 C 7.9 3	174	23AF			59	0.22 0.00	0.00 0.22	0.2 0.3	-- 0.3	--		n.06 --	-- 0.10		
05/07/75 1345 S010	S001		15 C 7.8 3	146	22AF			51	0.13 0.04	0.00 0.13	0.2 0.2	-- 0.24	--		n.05 --	-- 0.10		
05/21/75 1300 S010	S001		17 C 8.0 3	139	20AF			48	0.07 0.05	0.00 0.07	0.2 0.3	-- 0.35	--		n.04 --	-- 0.08		
06/04/75 1235 S010	S001		20 C 7.9 3	163	1AAAF			52	0.09 0.03	0.00 0.00	0.1 0.2	-- 0.23	--		n.05 --	-- 0.08		
06/18/75 1145 S010	S001		20 C 7.8 3	132	21AF			41	0.09 0.00	0.00 0.00	0.1 0.3	-- 0.3	--		n.04 --	-- 0.08		
07/02/75 1040 S010	S001		20 C 7.9 3	168	24AF			48	0.11 0.00	0.00 0.11	0.2 0.4	-- 0.4	--		n.04 --	-- 0.10		
07/16/75 1015 S010	S001		21 C 7.8 3	541	23AF				0.17 0.04	0.00 0.17	0.3 0.6	-- 0.64	--		n.04 --	-- 0.05		
08/13/75 0915 S010	S001		21 C 8.0 3	1750	34AF			58	0.17 0.04	0.00 0.17	0.3 0.3	-- 0.34	--		n.06 --	-- 0.06		
08/26/75 0650 S010	S001		21 C 7.9 3	912	33AF				0.25 0.17	0.00 0.25	0.3 0.3	-- 0.47	--		n.08 --	-- 0.08		
09/02/75 1345 S010	S001		22 C 7.9 3	190	20AF				0.15 0.00	0.00 0.15	0.2 0.2	-- 0.2	--		n.07 --	-- 0.07		
09/16/75 1420 S010	S001		20 C 8.0 3	354	19AF				0.16 0.01	0.00 0.16	0.4 0.4	-- 0.41	--		n.07 --	-- 0.13		
RV D 804.7 134.0 SAN JOAQUIN RIVER AT POTATO POINT																		
10/08/74 1220 S011	S001		18 C 7.7 3	144	10AF				-- 0.06	-- 0.16	0.14 0.20	0.2 0.26	--		n.05 --	-- 0.09		
11/20/74 1140 S011	S001		13 C 7.6 3	169	9AF				-- 0.09	-- 0.28	0.35 0.37	0.4 0.46	--		n.05 --	-- 0.08		
12/10/74 1550 S011	S001		10 C 7.6 3	171	15AF				-- 0.06	-- 0.29	0.24 0.28	0.3 0.34	--		n.05 --	-- 0.09		
01/07/75 1511 S001	S001		7 C 7.6 3	193	12AF				-- 0.10	-- 0.40	0.20 0.22	0.3 0.32	--		n.06 --	-- 0.10		
02/05/75 1415 S001	S001		8 C 7.3 3	146	21AF				-- 0.12	-- 0.32	0.28 0.36	0.4 0.48	--		n.07 --	-- 0.12		
03/19/75 1050 S001	S001		11 C 7.6 3	232	33AF			59	0.42 0.05	0.00 0.42	0.2 0.3	-- 0.35	--		n.08 --	-- 0.13		
04/02/75 1125 S001	S001		12 C 7.7 3	143	46AF			58	0.22 0.00	0.00 0.22	0.1 0.2	-- 0.2	--		n.04 --	-- 0.10		
04/22/75 1625 S001	S001		14 C 7.8 3	180	17AF			52	0.22 0.01	0.00 0.22	0.2 0.2	-- 0.21	--		n.06 --	-- 0.11		
05/07/75 1630 S001	S001		15 C 7.7 3	122	14AF			43	0.13 0.02	0.00 0.13	0.1 0.2	-- 0.22	--		n.05 --	-- 0.07		
05/21/75 1540 S001	S001		17 C 7.8 3	143	16AF			46	0.12 0.07	0.00 0.12	0.2 0.2	-- 0.22	--		n.05 --	-- 0.08		
06/04/75 1455 S001	S001		21 C 7.7 3	161	16AF			48	0.15 0.01	0.00 0.15	0.2 0.2	-- 0.21	--		n.06 --	-- 0.08		
06/18/75 1425 S001	S001		21 C 7.6 3	137	17AF			43	0.19 0.00	0.00 0.19	0.1 0.2	-- 0.2	--		n.06 --	-- 0.09		
07/02/75 1330 S001	S001		21 C 7.7 3	145	17AF			49	0.26 0.00	0.00 0.26	0.1 0.3	-- 0.3	--		n.06 --	-- 0.08		
07/16/75 1255 S001	S001		23 C 7.7 3	149	13AF				0.22 0.08	0.00 0.22	0.2 0.4	-- 0.46	--		n.06 --	-- 0.07		
08/13/75 1140 S001	S001		22 C 7.9 3	152	16AF			53	0.12 0.02	0.00 0.12	0.1 0.2	-- 0.22	--		n.06 --	-- 0.08		
08/26/75 1014 S001	S001		22 C 7.8 3	164	11AF			67	0.14 0.00	0.00 0.14	0.2 0.2	-- 0.2	--		n.06 --	-- 0.10		
09/02/75 1615 S001	S001		22 C 7.8 3	180	11AF				0.11 0.00	0.00 0.11	0.2 0.2	-- 0.2	--		n.06 --	-- 0.08		
09/16/75 1650 S001	S001		20 C 7.9 3	188	9AF				0.13 0.01	0.00 0.13	0.3 0.3	-- 0.31	--		n.06 --	-- 0.10		
RV D 805.0 124.1 WHITE SLOUGH AT CONNEJA FERRY (SITE)																		
10/02/74 0715 S011	S001		19 C 7.3 3	112	10AF				-- 0.07	-- 0.12	0.33 0.39	0.4 0.46	--		n.04 --	-- 0.07		
10/16/74 0705 S001	S001		16 C 7.1 3	77	10AF				-- 0.08	-- 0.13	0.46 0.54	0.5 0.5	--		n.05 --	-- 0.08		
11/06/74 1140 S001	S001		14 C 7.2 3	112	7AF				-- 0.09	-- 0.14	0.41 0.45	0.5 0.5	--		n.05 --	-- 0.08		
11/18/74 0955 S001	S001		13 C 7.3 3	95	8AF				-- 0.10	-- 0.17	0.40 0.44	0.5 0.5	--		n.06 --	-- 0.08		
12/17/74 0930 S001	S001		9 C 7.3 3	153	9AF				-- 0.09	-- 0.52	0.21 0.29	0.3 0.38	--		n.06 --	-- 0.08		
01/21/75 1250 S001	S001		8 C 7.3 3	195	10AF			34	-- 0.12	-- 0.50	0.28 0.34	0.4 0.46	--		n.06 --	-- 0.10		
02/03/75 1200 S001	S001		8 C 3	200	15AF				-- 0.13	-- 0.64	0.37 0.47	0.5 0.6	--		n.06 --	-- 0.13		

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. UTSCH.	TEMP DEPTH	F-PH LAB	F-EC EC	FIELD			D ND2 T NH3	D ND3 D NO3	NUTRIENT ORG N	CONSTITUENTS IN MILLIGRAMS PER LITER			O NH3 T ORG N	O NH3 T ORG N	O NH3 T ORG N	O NH3 T ORG N	O NH3 T ORG N	O NH3 T ORG N
						TURB F-CO2	CAC03 T	P CAC03				ORG N	ORG N	ORG N						
99 D 805.1 144.3 SACRAMENTO RIVER AT ELMHART																				
10/08/74	50J1		18	C	7.8	148	16AF	--	--	0.15	0.2					0.05	--			
1040	50J1		3					0.05	0.14	0.23	0.28	--	--	--	--	--	--	0.10		
11/20/74	50J1		13	C	7.7	141	10AF	--	--	0.24	0.3					0.07	--			
0955	50J1		3					0.06	0.22	0.28	0.34	--	--	--	--	--	--	0.10		
12/10/74	50J1		10	C	7.6	133	22AF	--	--	0.24	0.3					0.05	--			
1350	50J1		3					0.06	0.23	0.28	0.34	--	--	--	--	--	--	0.08		
01/07/75	50J1		7	C	7.6	191	15AF	--	--	0.32	0.4					0.06	--			
1305	50J1		3					0.08	0.33	0.36	0.44	--	--	--	--	--	--	0.10		
02/05/75	50J1		8	C	7.3	174	39AF	--	--	0.40	0.5					0.06	--			
1220	50J1		3					0.10	0.29	0.50	0.60	--	--	--	--	--	--	0.15		
03/19/75	50J1		11	C	7.6	169	40AF			0.24	0.2					0.05	--			
0825	5050		3					0.01	0.24	0.2	0.21	--	--	--	--	--	--	0.08		
04/02/75	50J1		11	C	7.8	149	66AF			0.18	0.00	0.2				0.03	--			
0905	5050		3					0.02	0.18	0.3	0.32	--	--	--	--	--	--	0.09		
04/22/75	50J1		14	C	7.9	172	24AF			0.7	0.00	0.1				0.05	--			
1415	5050		3					0.02	0.20	0.3	0.32	--	--	--	--	--	--	0.08		
05/07/75	50J1		15	C	7.7	131	22AF			0.13	0.00	0.0				0.05	--			
1440	5050		3					0.03	0.13	0.1	0.13	--	--	--	--	--	--	0.08		
05/21/75	50J1		17	C	7.9	138	16AF			0.1	0.00	0.1				0.04	--			
1355	5050		3					0.01	0.10	0.2	0.21	--	--	--	--	--	--	0.07		
06/04/75	50J1		20	C	7.9	155	16AF			0.13	0.00	0.1				0.05	--			
1320	5050		3					0.01	0.13	0.2	0.21	--	--	--	--	--	--	0.08		
06/18/75	50J1		20	C	7.7	128	17AF			0.11	0.00	0.1				0.04	--			
1240	5050		3					0.00	0.11	0.2	0.2	--	--	--	--	--	--	0.06		
07/02/75	50J1		19	C	7.9	150	18AF			0.19	0.00	0.1				0.05	--			
1135	5050		3					0.02	0.19	0.2	0.22	--	--	--	--	--	--	0.08		
07/16/75	50J1		22	C	8.0	165	17AF			0.25	0.00	0.2				0.06	--			
1110	5050		3					0.05	0.25	0.6	0.65	--	--	--	--	--	--	0.06		
08/13/75	50J1		21	C	8.0	238	22AF			0.14	0.00	0.2				0.05	--			
0955	5050		3					0.04	0.14	0.2	0.24	--	--	--	--	--	--	0.08		
08/26/75	50J1		21	C	8.0	240	19AF			0.14	0.01	0.1				0.08	--			
0750	5050		3					0.00	0.13	0.2	0.2	--	--	--	--	--	--	0.10		
09/02/75	50J1		22	C	7.9	240	16AF			0.13	0.00	0.2				0.07	--			
1420	5050		3					0.00	0.13	0.2	0.2	--	--	--	--	--	--	0.09		
09/16/75	50J1		20	C	8.0	238	13AF			0.18	0.00	0.3				0.06	--			
1440	5050		3					0.01	0.18	0.3	0.31	--	--	--	--	--	--	0.11		
99 D 805.8 144.1 SAN JOAQUIN RIVER AT TWITCHELL ISLAND																				
10/08/74	50J1		19	C	8.0	151	16AF	--	--	0.35	0.4					0.05	--			
1300	50J1		3					0.05	0.15	0.43	0.48	--	--	--	--	--	--	0.09		
11/20/74	50J1		13	C	7.7	162	9AF	--	--	0.24	0.3					0.07	--			
1225	50J1		3					0.06	0.30	0.28	0.34	--	--	--	--	--	--	0.10		
12/10/74	50J1		10	C	7.6	154	16AF	--	--	0.15	0.2					0.05	--			
1650	50J1		3					0.05	0.24	0.19	0.24	--	--	--	--	--	--	0.09		
01/07/75	50J1		7	C	7.6	185	13AF	--	--	0.21	0.3					0.07	--			
1550	50J1		3					0.09	0.36	0.23	0.32	--	--	--	--	--	--	0.10		
02/05/75	50J1		8	C	7.3	193	21AF	--	--	0.31	0.4					0.07	--			
1500	50J1		3					0.09	0.35	0.39	0.48	--	--	--	--	--	--	0.12		
03/19/75	50J1		11	C	7.6	218	48AF			0.36	0.00	0.3				0.07	--			
1125	5050		3					0.03	0.36	0.3	0.33	--	--	--	--	--	--	0.09		
04/02/75	50J1		11	C	7.7	153	56AF			0.26	0.00	0.2				0.05	--			
1200	5050		3					0.01	0.26	0.3	0.31	--	--	--	--	--	--	0.12		
04/22/75	50J1		14	C	7.9	162	18AF			0.24	0.00	0.1				0.05	--			
1655	5050		3					0.00	0.24	0.2	0.2	--	--	--	--	--	--	0.12		
05/07/75	50J1		15	C	7.8	134	14AF			0.14	0.00	0.1				0.05	--			
1700	5050		3					0.01	0.14	0.2	0.21	--	--	--	--	--	--	0.07		
05/21/75	50J1		17	C	7.9	132	16AF			0.09	0.00	0.2				0.04	--			
1610	5050		3					0.00	0.09	0.2	0.2	--	--	--	--	--	--	0.07		
06/04/75	50J1		21	C	7.8	156	14AF			0.15	0.00	0.2				0.05	--			
1520	5050		3					0.00	0.15	0.2	0.2	--	--	--	--	--	--	0.08		
06/18/75	50J1		20	C	7.4	139	17AF			0.18	0.00	0.1				0.05	--			
1500	5050		3					0.00	0.18	0.2	0.2	--	--	--	--	--	--	0.08		
07/02/75	50J1		20	C	7.8	148	17AF			0.24	0.00	0.1				0.05	--			
1405	5050		3					0.00	0.24	0.2	0.2	--	--	--	--	--	--	0.08		
07/16/75	50J1		22	C	7.9	157	14AF			0.26	0.01	0.2				0.06	--			
1400	5050		3					0.04	0.25	0.6	0.64	--	--	--	--	--	--	0.06		
08/13/75	50J1		22	C	7.9	225	16AF			0.12	0.00	0.1				0.06	--			
1210	5050		3					0.00	0.12	0.2	0.2	--	--	--	--	--	--	0.09		
08/26/75	50J1		22	C	7.9	231	16AF			0.14	0.00	0.2				0.07	--			
1050	5050		3					0.00	0.14	0.2	0.2	--	--	--	--	--	--	0.09		
09/02/75	50J1		22	C	7.9	233	14AF			0.1	0.00	0.1				0.06	--			
1645	5050		3					0.00	0.10	0.2	0.2	--	--	--	--	--	--	0.11		
09/16/75	50J1		20	C	8.0	203	10AF	*		0.15	0.00	0.3				0.06	--			
1720	5050		3					0.00	0.15	0.4	0.4	--	--	--	--	--	--	0.10		

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	D.W. DISCH	TEMP DEPTH	F-PH LAH	F-EC EC	FIELD			NUTRIENT		CONSTITUENTS IN MILLIGRAMS			PFR T	LITR T	TOT P T
						TURB F-CO2	CACO3 P	T	D NO2 + N03 T NH3	D NO2 N03	D ORG N T ORG N	D NH3 + T NH3	D P05 A.P04			
RQ D 805.9 135.2 SAN JOAQUIN RIVER NEAR SAN ANDREAS LANDING																
10/02/74	5001		19	C	7.5	152	124F		--	--	0.17	0.2		n.05		--
1000	5001		3					0.03	0.14	0.23	0.26	--	--	--	0.08	
10/08/74	5001		18	C	7.7	140	94F		--	--	0.25	0.3		n.05		--
1230	5001		3					0.05	0.15	0.33	0.38	--	--	--	0.09	
10/17/74	5001		18	C	7.5	130	114F		--	--	0.05	0.1		n.05		--
0950	5001		3					0.05	0.17	0.07	0.12	--	--	--	0.09	
11/07/74	5001		14	C	7.5	177	84F		--	--	0.41	0.5		n.07		--
1415	5001		3					0.09	0.29	0.45	0.54	--	--	--	0.10	
11/19/74	5001		13	C	7.6	156	94F		--	--	0.23	0.3		n.06		--
1120	5001		3					0.07	0.25	0.27	0.34	--	--	--	0.10	
11/20/74	5001		13	C	7.6	155	84F		--	--	0.32	0.4		n.06		--
1200	5001		3					0.08	0.26	0.36	0.44	--	--	--	0.10	
12/10/74	5001		10	C	7.6	173	154F		--	--	0.15	0.2		n.05		--
1810	5001		3					0.05	0.27	0.21	0.26	--	--	--	0.10	
01/07/75	5001		7	C	7.5	191	154F		--	--	0.20	0.3		n.06		--
1530	5001		3					0.10	0.40	0.24	0.34	--	--	--	0.10	
02/04/75	5001		8	C	7.9	203	114F		--	--	0.39	0.4		n.07		--
1325	5001		3					0.11	0.32	0.47	0.58	--	--	--	0.12	
02/05/75	5001		8	C	7.2	183	154F		--	--	0.28	0.5		n.07		--
1440	5001		3					0.12	0.30	0.34	0.46	--	--	--	0.12	
HW D 807.6 129.7 MOKELUNNE RIVER, SOUTH FORK, BELOW SYCAMORE SLOUGH																
10/02/74	5001		19	C	7.3	114	84F		--	--	0.08	0.1		n.04		--
0820	5001		3					0.04	0.08	0.12	0.16	--	--	--	0.07	
10/17/74	5001		17	C	7.4	106	94F		--	--	0.35	0.4		n.05		--
0810	5001		3					0.05	0.10	0.37	0.42	--	--	--	0.08	
11/07/74	5001		13	C	7.4	134	84F		--	--	0.41	0.5		n.06		--
1245	5001		3					0.09	0.14	0.45	0.54	--	--	--	0.10	
11/19/74	5001		13	C	7.5	120	94F		--	--	0.23	0.3		n.06		--
0950	5001		3					0.07	0.14	0.31	0.36	--	--	--	0.10	
02/04/75	5001		8	C	7.4	176	124F		--	--	0.36	0.5		n.07		--
1145	5001		3					0.14	0.23	0.42	0.56	--	--	--	0.13	
03/18/75	5001		10	C	7.2	444F	54	0.27	0.00	0.4	--	--	--	n.05		--
0800	5001		3					0.03	0.27	0.4	0.43	--	--	--	0.10	
04/01/75	5001		10	C	7.0	122	604F	47	0.18	0.00	0.2	--	--	n.04		--
0810	5001		3					0.02	0.18	0.3	0.32	--	--	--	0.09	
04/16/75	5001		13	C	7.6	137	184F		0.72	0.04	0.2	--	--	n.06		--
0930	5001		3					0.03	0.18	0.2	0.23	--	--	--	0.07	
05/01/75	5001		14	C	7.7	146	104F	40	0.09	0.00	0.1	--	--	n.04		--
0840	5001		3					0.03	0.09	0.2	0.23	--	--	--	0.06	
05/15/75	5001		16	C	7.8	110	154F	46	0.1	0.00	0.1	--	--	n.04		--
0720	5001		3					0.04	0.10	0.2	0.24	--	--	--	0.06	
06/03/75	5001		20	C	7.5	83	124F	28	0.07	0.00	0.2	--	--	n.03		--
1245	5001		3					0.02	0.07	0.2	0.22	--	--	--	0.05	
06/17/75	5001		20	C	7.6	107	184F	34	0.18	0.00	0.1	--	--	n.04		--
1210	5001		3					0.00	0.18	0.2	0.2	--	--	--	0.06	
07/01/75	5001		20	C	7.6	140	164F	46	0.19	0.00	0.2	--	--	n.05		--
1150	5001		3					0.00	0.19	0.2	0.2	--	--	--	0.08	
07/15/75	5001		22	C	7.7	150	184F		0.17	0.00	0.4	--	--	n.06		--
1035	5001		3					0.00	0.17	0.4	0.4	--	--	--	0.09	
08/12/75	5001		22	C	7.7	143	144F	52	0.12	0.00	0.2	--	--	n.05		--
0905	5001		3					0.06	0.12	0.2	0.26	--	--	--	0.09	
08/25/75	5001		22	C	7.6	177	114F		0.14	0.00	0.2	--	--	n.05		--
0745	5001		3					0.04	0.14	0.2	0.24	--	--	--	0.10	
09/11/75	5001		20	C	7.0	142	104F		0.1	0.00	0.2	--	--	n.04		--
0955	5001		3					0.05	0.10	0.2	0.25	--	--	--	0.07	
09/26/75	5001		21	C	7.0	140	104F		0.11	0.00	0.2	--	--	n.04		--
0940	5001		3					0.04	0.11	0.2	0.24	--	--	--	0.09	
HW D 809.5 124.0 SYCAMORE SLOUGH NEAR MOUTH																
10/02/74	5001		20	C	7.5	137	84F		--	--	0.19	0.2		n.03		--
0800	5001		3					0.01	0.05	0.37	0.38	--	--	--	0.10	
10/17/74	5001		19	C	7.6	123	114F		--	--	0.18	0.2		n.03		--
0745	5001		3					0.02	0.02	0.36	0.38	--	--	--	0.10	
11/07/74	5001		14	C	7.6	111	104F		--	--	0.27	0.3		n.03		--
1220	5001		3					0.03	0.08	0.39	0.42	--	--	--	0.08	
11/19/74	5001		13	C	7.5	110	114F		--	--	0.17	0.2		n.03		--
0930	5001		3					0.03	0.15	0.29	0.32	--	--	--	0.07	
02/04/75	5001		8	C	7.3	177	124F		--	--	0.40	0.5		n.05		--
1120	5001		3					0.10	0.32	0.50	0.60	--	--	--	0.11	
03/18/75	5001		12	C	7.5	337	174F	80	0.65	0.01	0.5	--	--	n.28		--
0730	5001		3					0.89	0.64	0.7	1.59	--	--	--	0.30	
04/01/75	5001		11	C	7.9	264	194F	94	0.78	0.02	0.8	--	--	n.27		--
0750	5001		3					1.1	0.76	1.0	2.1	--	--	--	0.42	
04/16/75	5001		13	C	7.5	209	144F		0.78	0.05	0.5	--	--	n.22		--
0705	5001		3					0.52	0.73	0.8	1.32	--	--	--	0.29	

NUTRIENT ANALYSIS OF SURFACE WATER

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TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LNR	G.H. DISCH.	TEMP DEPTH	F-PH LAR	F-EC EC	FIELD TURB CACO3 P CACO3 T	D NO2 + T NH3	D NO3 U NO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER				D TOT P T TOT P	
									O ORG N	D NH3 + T ORG N	OIS A.M.P.O4	D A.M.P.O4		
G7 L 850.3 002.3 LAKE TAMOE AT CAMP RICHARDSON - EDWARDS PIER (S-4A)														
05/14/75 0940	5120 5120		8.2C 1	7.4	76 V1	0.16A	0.004 0.025	0.000 0.004	-- 0.04	-- 0.065	-- 0.0021	-- 0.0065		
G7 L 857.0 954.0 2 LAKE TAMOE AT SUFF AND SANDS PIER (S-10)														
05/14/75 1105	5120 5120		9.3C 1	7.4	45 P9	0.02A	0.0073 0.006	0.003 0.007	-- 0.07	-- 0.076	-- 0.0029	-- 0.0123		
G7 L 857.6 947.1 LAKE TAMOE AT STATELINE - LAKESTOE MARINA PIER(S-13)														
05/14/75 1220	5120 5120		9.4C 1	7.5	90 92	0.76A	0.001 0.006	0.000 0.001	-- 0.09	-- 0.096	-- 0.0054	-- 0.0145		
G7 L 900.0 000.0 LAKE TAMOE - SOUTH CENTER (C-11)														
05/14/75 1120	5120 5120		9.3C 1	7.7	40 94	0.38A	0.001 0.011	0.000 0.001	-- 0.09	0.101	-- 0.0036	-- 0.0078		
G7 L 900.4 454.9 LAKE TAMOE AT ZEPHYR COVE PIER (S-9)														
05/14/75 1310	5120 5120		9.4C 1	7.4	90 93	0.48A	0.004 0.014	0.000 0.006	-- 0.12	-- 0.134	-- 0.0024	-- 0.0046		
G7 L 900.9 036.0 2 LAKE TAMOE AT HURCHIN HAY PIER (S-21)														
05/14/75 0840	5120 5120		9.4C 1	7.4	79 93	0.58A	0.004 0.025	0.000 0.004	-- 0.06	-- 0.045	-- 0.0017	-- 0.0023		
G7 L 905.3 956.4 LAKE TAMOE AT GLENHOBOK HAY PIER (S-3)														
05/14/75 1150	5120 5120		9.3C 1	7.5	46 102	0.81A	0.004 0.007	0.000 0.000	-- 0.12	-- 0.127	-- 0.0004	-- 0.0116		
G7 L 907.9 009.2 LAKE TAMOE AT WARD CREEK PIER (S-11)														
05/14/75 0700	5120 5120		9.4C 1	7.4	88 94	0.21A	0.005 0.012	0.000 0.005	-- 0.07	-- 0.082	-- 0.0014	-- 0.0044		
G7 L 908.7 080.3 LAKE TAMOE - NORTH CENTER (C-2)														
05/14/75 0805	5120 5120		9.4C 1	7.7	49 94	0.37A	0.004 0.010	0.000 0.004	-- 0.10	0.11	-- 0.0024	-- 0.0068		
G7 L 910.4 007.1 2 LAKE TAMOE AT US COAST GUARD PIER (S-4)														
05/14/75 0755	5120 5120		9.4C 1	7.4	85 88	1.10A	0.015 0.019	0.000 0.015	-- 0.09	-- 0.109	-- 0.0103	-- 0.0111		
G7 L 917.5 004.9 LAKE TAMOE AT CARMELIAN HAY - SIEGMA HOUT CO (S-14)														
05/14/75 0840	5120 5120		9.4C 1	7.5	48 95	0.41A	0.003 0.001	0.003 0.005	-- 0.11	-- 1.101	-- 0.0028	-- 0.0063		
G7 L 914.2 002.3 LAKE TAMOE AT KINGS HEACH PIER (S-7)														
05/14/75 0920	5120 5120		9.4C 1	7.5	40 94	0.54A	0.006 0.004	0.000 0.006	-- 0.08	-- 0.084	-- 0.0021	-- 0.0041		
G7 L 914.2 956.0 LAKE TAMOE AT KINGS CASTLE PIER (S-4)														
05/14/75 1020	5120 5120		9.2C 1	7.5	46 94	0.53A	0.003 0.070	0.003 0.004	-- 0.06	0.13	-- 0.0040	-- 0.0120		
G7 3620.01 HURTON CREEK IN STAR HARBOR (T-4)														
05/07/75 1040	5120 5120		3.2C 1	7.3	100 99	3.5A	0.054 0.025	0.000 0.054	-- 0.07	-- 0.095	-- 0.0376	-- 0.051		
G7 3630.01 YARD CREEK NEAR MOUTH (T-5)														
05/07/75 0937	5120 5120		4.41 8.0	2.9C 7.3	60 59	0.87A	0.034 0.004	0.000 0.034	-- 0.09	0.094	-- 0.0146	-- 0.017		
G7 3160.01 YACON CREEK NEAR MOUTH (T-10)														
05/07/75 0905	5120 5120		6.70 12.0	2.1C 7.3	54 56	0.23A	0.196 0.021	0.000 0.196	-- 0.03	-- 0.051	-- 0.0144	-- 0.016		
G7 3240.01 THIRD CREEK NEAR MOUTH (T-6)														
05/07/75 1050	5120 5120		2.3 8.0	4.3C 6.9	48 43	0.5A	0.034 0.002	0.000 0.034	-- 0.11	0.112	-- 0.0403	-- 0.058		
G7 3293.01 INCLINE CREEK AT INCLINE VILLAGE (T-2)														
05/07/75 1030	5120 5120		1.8 12.0	5.1C 7.2	75 84	0.5A	0.1203 0.071	0.003 0.121	-- 0.06	-- 0.131	-- 0.0312	-- 0.055		
G7 3301.01 GENERAL CREEK NEAR WEEKS HAY (T-3)														
05/07/75 0825	5120 5120		0.41 12.0	1.6C 7.3	32 33	0.24A	0.029 0.013	0.000 0.029	-- 0.14	-- 0.153	-- 0.0119	-- 0.013		
G7 3571.01 TAYLOR CREEK NEAR CAMP RICHARDSON (T-4)														
05/07/75 0725	5120 5120		4.04 12.0	3.2C 7.4	26 27	0.40A	0.007 0.025	0.000 0.007	-- 0.06	-- 0.085	-- 0.0040	-- 0.004		
G7 3674.01 KIDGWOOD CREEK AT MOUTH (T-7A)														
05/07/75 0840	5120 5120		8.1 12.0	4.7C 8.3	111 141	5.5A	0.0812 0.013	0.002 0.085	-- 0.19	-- 0.203	-- 0.0874	-- 0.096		

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. DISCH	TEMP DEPTH	F-PM LAB EC	F-EC F-CO2	FIELD			NUTRIENT CONSTITUENTS IN MILLIGRAMS				PER LITER		O TOT P			
						TURB CACO3	R CACO3	T	D NO2 T NH3	D NO3	T ORG N	D NH3 T ORG N	O15 A.M.P.O4	O N-PO4 T N-PO4		O TOT P		
G7 3600.00 EDGEWOOD CREEK AT HIGHWAY 50 (T-7)																		
05/07/75 0915	5000 5000	1.64 8.0	3.30 7.3	7.3 134	110 4.04			0.1074 0.0007	0.0004 0.107	-- 0.13	-- 0.137	--		0.0324 --	-- 0.047			
G7 3705.01 UPPER TRUCKEE RIVER NEAR MOUTH (T-1)																		
05/07/75 0715	5000 5000		1.50 6.8	55 62	2.04			0.1074 0.012	0.0004 0.107	-- 0.24	-- 0.252	--		0.0164 --	-- 0.037			
G7 3810.00 TROUT CREEK AT SOUTH LAKE TAMDE (T-9)																		
05/07/75 0800	5000 5000	1.68 25	1.90 6.9	50 61	4.04			0.1082 0.028	0.0002 0.108	-- 0.08	-- 0.108	--		0.0324 --	-- 0.038			

TABLE D-6

PESTICIDES IN SURFACE WATER

Sampler and Lab Agency Codes

2163	-	California Department of Water Resources for SWRCB
5001	-	U. S. Bureau of Reclamation
5050	-	California Department of Water Resources

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)
EC	-	Electrical conductance in micromhos at 25°C
DO	-	Dissolved oxygen content in milligrams per liter
PH	-	Measure of acidity (<7) or alkalinity (>7) of water
DEPTH	-	Depth in feet at which sample was collected
DISCHARGE	-	Instantaneous discharge in cubic feet per second

PesticidesChlorinated Hydrocarbons

<u>Code</u>		<u>Most Common Name</u>
ATRAZSIMAZ	-	Atrazine and/or Simazine
DACTHAL	-	Dacthal
PCB 1254	-	PCB 1254, Arochlor 1254
UNKNOWN	-	Complex chlorinated compound mixture as (Reported as DDT), one or more
NONE DETECTED	-	No detectable amount of Chlorinated Hydrocarbons

Organic Phosphorus

DIAZINON	-	Diazinon
PARATHION	-	Parathion
NONE DETECTED	-	No detectable amount of organic phosphorus

TABLE D-6 (CONTINUED)

DATE TIME	SAMP LAB	TEMP EC	DO PH	G.M. DEP DISCHARGE	PESTICIDES IN SURFACE WATER COMPOUNDS REPORTED IN MILLIGRAMS/LITER			OTHER
					CHLORINATED HYDROCARBON	ORGANIC PHOSPHORUS		
AO 2170.00					SACRAMENTO RIVER AT FREMONT WEIR, WEST END			
10/16/74 1000	5F50 5F50	61 117	F 7.4	9.6 7.4	18.66	NONE	DETECTED	
11/20/74 1115	5F50 5F50	57.5F 123	16.2 7.4	27.41	.00004	UNKNOWN		
12/18/74 1115	5F50 5F50	56 146	F 7.4	16.7 7.4	20.10	NONE	DETECTED	
01/15/75 1145	5F50 5F50	47 168	F 7.4	11.4 7.4	18.46	.00014	UNKNOWN	
02/19/75 1100	5F50 5F50	47 142	F 7.3	11.0 7.3		.00003	UNKNOWN	
03/19/75 0930	5F50 5F50	49 157	F 7.4	10.4 7.4	29.89	.00006	UNKNOWN	
04/16/75 1000	5F50 5F50	55 140	F 7.4	9.9 7.4	21.15	NONE	DETECTED	
05/21/75 0930	5F50 5F50	60.4F 135	9.2 7.4	25.76	.00002	UNKNOWN		
06/18/75 1015	5F50 5F50	68.4F 135	8.8 7.4	19.69	NONE	DETECTED		
07/16/75 1045	5F50 5F50	69 177	F 7.4	8.9 7.4	17.9	NONE	DETECTED	
08/20/75 0930	5F50 5F50	66.0F 160	8.7 7.6	19.11	NONE	DETECTED		
09/17/75 1130	5F50 5F50	71 218	F 7.4	8.1 7.4	19.43	NONE	DETECTED	
AO 2230.02					SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN			
04/23/75 1315	5F50 5F50	15.4C 500	9.9 8.0	22.51	NONE	DETECTED	NONE	DETECTED
AO 2795.00					SACRAMENTO RIVER AT HEND BRIDGE			
05/21/75 1320	5F50 5F50	12.4C 500	10.8 7.4	22.21	NONE	DETECTED	.00042	PANATHION
AO 2933.00					R-D 10B DRAINAGE TO SACRAMENTO RIVER			
04/23/75 1200	5F50 5F50	18.4C 500	11.4 8.4		.00015	ATHAZINAM	NONE	DETECTED
AO 2947.10					COLUSA BASIN DRAIN NEAR KNIGHTS LANDING			
04/23/75 1045	5F50 5F50	18.4C 500	8.7 8.2	23.88	NONE	DETECTED	.000005	DIAMINON
AO 2985.00					R-D 7L DRAINAGE TO SACRAMENTO RIVER			
04/23/75 1130	5F50 5F50	15.4C 500	8.7 8.0		.00045	ATHAZINAM	.000015	DIAMINON
AO 2972.00					BUTTE SLOUGH NEAR MERTUIN			
04/23/75 1045	5F50 5F50	15.4C 500	8.1 7.4		NONE	DETECTED	NONE	DETECTED
AO 7100.10					AMERICAN RIVER AT SACRAMENTO WATER PLANT			
04/22/75 0815	2103 5F50	51.5F 64	10.4 7.1	4594	.00004	UNKNOWN		
07/22/75 0930	2103 5F50	67.4F 48	10.2 7.4	2892	NONE	DETECTED		
AO 7100.06					AMERICAN RIVER BELOW NIMBUS DAM			
04/22/75 0945	2103 5F50	51.5F 64	11.1 7.2	4445 5090	NONE	DETECTED		
07/22/75 0800	2103 5F50	61.4F 43	9.4 7.0	7486 3506	NONE	DETECTED		
AO 1460.00					PIT RIVER NEAR CARBY			
05/06/75 1400	5F50 5F50	9.4C 500	10.3 7.6	4.31	NONE	DETECTED	NONE	DETECTED
AO 1250.06					STONY CREEK NEAR FRUIT			
04/22/75 1100	5F50 5F50	17.4C 500	10.2 8.3		NONE	DETECTED	NONE	DETECTED
AO 1350.00					CACHE CREEK NEAR LOWER LAKE			
04/17/75 0910	5F50 5F50	12.4C 500	10.4 8.3	7.67 513	NONE	DETECTED	NONE	DETECTED
AO 7000.00					SAN JOAQUIN RIVER NEAR VERNALIS			
11/21/74 0900	5F50 5F50	17.4C 310	8.4 7.3	13.35	NONE	DETECTED	NONE	DETECTED
01/21/75 1800	5F50 5F50	10C 645	9.4 7.5	12.46	1	NONE	DETECTED	
05/01/75 1235	5F50 5F50	19C 7.2	8.4 7.4	12.14 2510	1	NONE	DETECTED	
09/11/75 1410	5F50 5F50	22C 471	7.9 7.8	12.16 2531	1	.00005	UNKNOWN	

TABLE D-6 (CONTINUED)

PESTICIDES IN SURFACE WATER COMPOUNDS REPORTED IN MILLIGRAMS/LITER									
DATE TIME	SAMP LNB	TEMP EC	DD PH	G.M. DEP DISCHARGE	CHLORINATED HYDROCARBON	ORGANIC	PHOSPHORUS	OTHER	
H9 D 747.2 114.4 SAN JOAQUIN RIVER AT MOSSLAKE BRIDGE									
10/21/74 1040	5000 5000	69 F 500	8.6 7.3	3.14	000025	UNKNOWN			
12/17/74 1100	5000 5000	59 F 395	9.3 7.2		NONE	DETECTED			
01/15/75 1400	5000 5000	50 F 301	10.4 7.2		NONE	DETECTED			
02/21/75 1200	5000 5000	49 F 362	10.2 7.3		000025	UNKNOWN			
03/27/75 1200	5000 5000	54 F 322	9.7 7.3	6.05	00004	ATRAZINAMZ			
04/21/75 0930	5000 5000	63 F 585	8.8 7.4	2.90	000015	ATRAZINAMZ	000005	UNKNOWN	
05/26/75 1000	5000 5000	68.0 F 309	9.2 7.5	4.72	000002	OACTHAL			
06/25/75 0845	5000 5000	69 F 489	9.2 7.4		000003	OACTHAL			
07/10/75 0930	2100 5000	76.0 F 740	10.8 8.0	2.06	000045	UNKNOWN			
08/10/75 1400	5000 5000	73.0 F 620	7.7 7.6		000035	OACTHAL	0002	PCH1254	
09/19/75 1100	5000 5000	70 F 415	8.4 7.4		0009	ATRAZINAMZ			
H9 D 749.8 133.2 WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CT FOREARY									
01/22/75 1615	5000 5000	7 C 432	9.5 7.2		1	NONE	DETECTED		
05/01/75 1225	5000 5000	16 C 233	9.1 7.7		1	NONE	DETECTED		
09/11/75 1335	5000 5000	21 C 221	7.6 8.5		1	NONE	DETECTED		
H9 D 756.7 122.4 SAN JOAQUIN RIVER AT HUCKLEY COVE									
02/03/75 1225	5000 5000	9 C 508	11.1 7.4		1	000003	UNKNOWN		
05/01/75 0955	5000 5000	17 C 549	9.9 8.1		1	000015	ATRAZINAMZ	000045	UNKNOWN
09/11/75 1100	5000 5000	24 C 620	5.0 8.2		1	000075	UNKNOWN		
H9 D 801.1 149.4 BIG BREAK NEAR OAKLEY									
01/08/75 1425	5000 5000	8 C 231	11.3 7.9		1	NONE	DETECTED		
05/08/75 1625	5000 5000	18 C 143	11.0 8.4		1	NONE	DETECTED		
09/03/75 1725	5000 5000	25 C 258	9.6 8.3		1	NONE	DETECTED		
H9 D 801.2 144.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL									
01/08/75 1355	5000 5000	8 C 273	11.5 7.4		1	NONE	DETECTED		
05/08/75 1655	5000 5000	16 C 166	10.1 8.1		1	000015	UNKNOWN		
09/03/75 1640	5000 5000	22 C 527	7.4 7.4		1	00004	UNKNOWN		
H9 D 802.6 136.8 FRANKS TRACT NEAR HUSSOS LANDING									
01/07/75 1445	5000 5000	7 C 209	11.2 7.6		1	NONE	DETECTED		
05/07/75 1610	5000 5000	17 C 139	10.5 8.2		1	NONE	DETECTED		
09/07/75 1550	5000 5000	24 C 230	10.2 8.5		1	NONE	DETECTED		
H9 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT									
01/07/75 1420	5000 5000	7 C 230	11.0 7.7		1	NONE	DETECTED		
05/07/75 1550	5000 5000	16 C 143	10.0 8.0		1	NONE	DETECTED		
09/07/75 1530	5000 5000	22 C 270	8.2 8.0		1	NONE	DETECTED		
H9 D 803.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO									
01/07/75 1215	5000 5000	7 C 344	11.0 7.2		1	NONE	DETECTED		
05/07/75 1345	5000 5000	16 C 140	9.4 7.8		1	NONE	DETECTED		
09/02/75 1345	5000 5000	22 C 190	8.0 7.9		1	NONE	DETECTED		

TABLE D-6 (CONTINUED)									
PESTICIDES IN SURFACE WATER									
COMPOUNDS REPORTED IN MILLIGRAMS/LITER									
CHLORINATED HYDROCARBON									
ORGANIC PHOSPHORUS									
DATE	SAMP	TEMP	DO	G.M. DEP					
TIME	LAH	EC	PH	DISCHARGE					
R9 D 804.7 134.0 SAN JOAQUIN RIVER AT POTATO POINT									
01/07/75	50J1	7 C	11.2	1	NONE	DETECTED			
1510	5050	193	7.6						
05/07/75	50J1	15 C	9.6	1	NONE	DETECTED			
1630	5050	122	7.7						
09/02/75	50J1	22 C	8.2	1	NONE	DETECTED			
1615	5050	160	7.8						
R9 D 805.1 144.3 SACRAMENTO RIVER AT EWMATON									
01/07/75	50J1	7 C	10.8	1	NONE	DETECTED			
1305	5050	191	7.6						
05/07/75	50J1	15 C	9.6	1	NONE	DETECTED			
1440	5050	131	7.7						
09/02/75	50J1	22 C	8.5	1	NONE	DETECTED			
1420	5050	240	7.9						
R9 D 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE									
01/07/75	50J1	7 C	11.4	1	NONE	DETECTED			
1330	5050	178	7.6						
05/07/75	50J1	15 C	9.5	1	NONE	DETECTED			
1505	5050	130	7.7						
09/02/75	50J1	21 C	8.5	1	NONE	DETECTED			
1450	5050	198	7.9						
R9 D 815.3 126.3 MOKELUMNE RIVER NEAR THORNTON									
01/21/75	5001	8 C	11.1	1	000025	UNKNOWN			
1150	5050	99	7.1						
05/01/75	50J1	13 C	10.2	1	NONE	DETECTED			
0900	5050	49	7.1						
09/11/75	50J1	18 C	9.2	1	NONE	DETECTED			
0915	5050	48	7.2						
R9 D 820.7 132.7 SACRAMENTO RIVER AT GREENES LANDING									
10/16/74	5050	62 F	9.4		NONE	DETECTED			
1200	5050	108	7.3						
11/20/74	5050	55 F	9.8		00004	UNKNOWN			
1300	5050	103	7.3						
12/18/74	5050	50 F	10.5		NONE	DETECTED			
1300	5050	125	7.3						
01/15/75	5050	47 F	11.0		000065	UNKNOWN			
1345	5050	132	7.2						
01/22/75	50J1	8 C	10.8	1	NONE	DETECTED			
1225	5050	202	7.5						
02/19/75	5050	47.5F	10.8		00002	UNKNOWN			
1220	5050	126	7.2						
03/19/75	5050	51 F	10.6		NONE	DETECTED			
1100	5050	133	7.4						
04/16/75	5050	55 F	10.0		NONE	DETECTED			
1200	5050	133	7.3						
05/01/75	50J1	14 C	10.1	1	NONE	DETECTED			
0800	5050	117	7.5						
05/21/75	5050	61.0F	9.1		NONE	DETECTED			
1200	5050	122	7.4						
06/18/75	5050	67.0F	9.1		00003	UNKNOWN			
1245	5050	136	7.4						
07/16/75	5050	71 F	9.6		NONE	DETECTED			
1230	5050	117	7.5						
08/20/75	5050	68.0F	8.0		NONE	DETECTED			
1200	5050	144	7.3						
09/11/75	50J1	20 C	7.8	1	NONE	DETECTED			
0805	5050	187	7.5						
09/17/75	5050	69 F	7.6		NONE	DETECTED			
1330	5050	163	7.4						
G4 1590.01 SUSAN RIVER NEAR LITCHFIELD									
05/07/75	5050	9.0C	9.2		NONE	DETECTED	NONE	DETECTED	
0805	5050		7.8						

TABLE D. 7(Cont)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

AO 2170.00 SACRAMENTO RIVER AT FREMONT MEIR, WEST END
(October 1, 1974 through September 30, 1975)

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	NR	NR	56	55	52	51	42	42	45	44	53	52	53	52	59	58	68	67	NR	NR	NR	NR	67	66
2	NR	NR	55	54	NR	NR	44	42	45	44	53	52	53	52	59	59	68	67	NR	NR	NR	NR	68	66
3	NR	NR	54	53	NR	NR	44	43	45	44	53	53	53	53	59	58	67	66	NR	NR	NR	NR	68	66
4	NR	NR	54	53	NR	NR	45	44	45	44	53	53	NR	NR	58	58	66	66	NR	NR	NR	NR	68	66
5	NR	NR	54	53	NR	NR	45	44	45	45	54	53	NR	NR	58	57	67	66	NR	NR	NR	NR	69	67
6	NR	NR	55	54	NR	NR	45	45	46	45	54	52	NR	NR	57	56	68	67	NR	NR	NR	NR	69	67
7	NR	NR	55	54	52	51	47	45	46	46	53	52	NR	NR	58	57	68	67	NR	NR	NR	NR	70	68
8	NR	NR	54	54	52	51	48	47	48	46	53	52	NR	NR	58	57	69	68	NR	NR	NR	NR	70	69
9	NR	NR	54	54	51	51	48	47	49	48	53	52	NR	NR	59	58	68	67	NR	NR	NR	NR	71	70
10	NR	NR	54	53	51	50	46	46	50	49	52	52	NR	NR	60	59	68	67	NR	NR	NR	NR	71	69
11	NR	NR	54	53	50	50	46	45	50	50	52	51	NR	NR	60	59	68	67	NR	NR	NR	NR	69	68
12	NR	NR	54	53	50	49	46	44	50	49	51	51	NR	NR	61	59	68	67	NR	NR	NR	NR	68	68
13	NR	NR	54	53	50	50	46	45	50	49	52	NR	NR	NR	61	60	68	67	NR	NR	NR	NR	68	67
14	NR	NR	53	54	50	50	46	45	50	49	51	50	NR	NR	62	61	69	68	NR	NR	NR	NR	69	68
15	NR	NR	55	54	50	50	47	46	49	49	50	50	NR	NR	62	61	69	67	NR	NR	NR	NR	70	69
16	NR	NR	55	54	50	50	48	47	49	48	50	50	55	55	62	61	69	67	NR	NR	NR	NR	70	69
17	NR	NR	55	54	51	50	48	48	48	47	50	50	55	53	62	61	68	67	NR	NR	NR	NR	69	69
18	NR	NR	55	54	50	50	48	48	47	46	50	48	55	53	63	62	68	66	NR	NR	NR	NR	70	69
19	61	60	55	54	50	49	48	48	47	47	50	49	56	55	64	63	66	64	NR	NR	NR	NR	69	68
20	60	60	54	53	49	49	48	48	48	47	50	50	57	56	63	63	66	64	NR	NR	NR	NR	68	67
21	60	59	54	53	49	48	49	48	48	47	50	50	59	57	61	60	66	63	NR	NR	68	66	68	67
22	59	57	54	53	48	47	49	49	47	46	50	49	NR	NR	60	59	67	65	NR	NR	70	67	NR	NR
23	57	56	53	52	47	46	48	48	47	46	50	48	NR	NR	60	59	67	66	NR	NR	70	67	NR	NR
24	57	56	53	52	46	45	50	49	48	46	48	47	NR	NR	63	62	67	65	NR	NR	71	69	NR	NR
25	57	56	52	52	45	44	50	49	49	48	50	48	NR	NR	63	63	68	64	NR	NR	71	69	NR	NR
26	57	56	52	51	45	44	50	49	51	49	50	49	55	54	64	63	66	65	NR	NR	71	70	NR	NR
27	57	57	52	51	45	45	49	48	52	51	50	49	54	53	64	64	67	65	NR	NR	70	69	NR	NR
28	57	57	52	52	46	45	48	47	49	48	52	52	59	58	65	64	67	65	NR	NR	69	68	NR	NR
29	57	57	52	52	45	44	47	45	49	49	50	49	56	55	66	65	69	66	NR	NR	68	66	NR	NR
30	57	56	52	51	45	42	45	45	50	49	57	56	57	56	66	65	68	66	NR	NR	68	66	NR	NR
31	57	56			42	42	45	44							67	66			NR	NR	67	66		
Max	NR	NR	56	56	NR	NR	50	50	52	52	54	54	NR	NR	67	67	69	69	NR	NR	NR	NR	NR	NR
Min	NR	NR	51	51	NR	NR	42	42	44	44	47	47	NR	NR	56	56	63	63	NR	NR	NR	NR	NR	NR
Avg	NR	NR	53	53	NR	NR	47	47	48	48	52	52	NR	NR	61	61	67	67	NR	NR	NR	NR	NR	NR

AO 5165.00 FEATHER RIVER NEAR GRIDLEY
(October 1, 1974 through September 30, 1975)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	61	60	57	55	52	51	45	44	45	43	52	50	56	52	56	53	69	64	70	64	70	68	69	65
2	60	58	56	54	52	52	45	44	46	45	54	50	56	52	56	54	68	64	70	65	71	67	68	66
3	59	58	56	54	52	52	45	44	47	45	55	51	55	52	54	52	69	64	69	64	72	68	69	66
4	59	58	56	54	52	52	45	44	48	46	54	52	54	52	53	51	68	64	70	65	72	68	69	65
5	59	58	56	54	52	52	45	45	47	46	54	52	54	51	53	50	67	64	71	66	71	67	69	65
6	59	57	56	54	52	51	45	45	47	46	54	52	55	52	55	52	66	63	73	67	69	66	69	65
7	59	57	55	54	51	50	46	45	48	47	54	52	54	52	56	53	66	63	77	69	70	66	69	64
8	58	57	55	53	51	50	47	46	50	47	55	53	54	52	56	53	64	62	76	69	71	67	68	65
9	58	56	55	53	51	50	46	46	50	49	55	52	58	52	56	53	64	61	NR	NR	71	67	68	65
10	58	56	55	53	50	50	46	46	51	49	55	52	58	54	56	54	65	63	NR	NR	72	67	65	62
11	59	56	55	54	50	50	46	45	51	49	56	53	59	54	58	54	65	63	NR	NR	71	67	65	62
12	59	57	55	54	50	50	47	45	50	50	56	53	61	56	57	55	66	63	NR	NR	70	67	65	62
13	60	58	55	54	50	50	46	45	51	50	54	52	61	57	58	55	66	63	NR	NR	70	66	65	62
14	60	58	55	54	50	50	47	45	52	50	55	51	59	56	58	56	66	63	NR	NR	69	66	66	62
15	61	59	54	53	51	50	46	46	51	48	53	52	58	55	57	55	68	63	NR	NR	70	66	65	62
16	60	58	53	53	50	50	47	46	50	48	54	51	59	55	57	54	70	65	NR	NR	70	66	65	62
17	59	58	53	53	51	50	46	46	50	47	52	51	60	56	59	56	71	66	NR	NR	69	66	66	62
18	59	58	54	53	50	50	46	46	50	48	53	50	60	56	60	57	71	67	NR	NR	69	67	64	62
19	58	57	53	52	49	49	46	46	49	48	53	52	61	57	60	58	69	65	NR	NR	69	66	64	61
20	59	57	53	52	49	49	47	46	50	48	55	51	63	58	58	56	70	65	NR	NR	70	67	66	62
21	58	56	53	52	49	48	47	46	50	47	53	50	64	59	59	56	70	65	NR	NR	69	66	67	64
22	57	55	54	53	48	47	47	46	50	46	52	49	61	58	61	57	71	66	NR	NR	71	66	67	64
23	56	54	53	52	47	46	47	46	50	47	53	50	60	57	60	56	70	65	NR	NR	70	67	68	65
24	56	55	52	51	46	45	48	46	51	48	52	51	58	56	61	58	64	64	NR	NR	72	67	69	65
25	56	55	53	52	46	44	48	47	52	48	54	51	58	55	66	62	69	64	NR	NR	72	68	69	65
26	57	55	53	52	46	44	48	47	52	49	53	50	57	54	67	62	70	65	NR	NR	70	67	68	65
27	56	55	53	52	46	45	46	45	50	49	54	51	58	54	68	63	70	65	NR	NR	68	66	67	64
28	58	55	52	52	46	45	45	44	54	51	53	49	55	53	68	64	70	65	NR	NR	69	65	66	63
29	57	55	52	51	45	44	46	44			54	49	56	53	68	64	70	66	NR	NR	69	65	66	63
30	57	55	52	52	46	44	45	44			56	51	56	53	69	64	70	64	NR	NR	69	66	66	63
31	56	56			45	44	44	43			56	52			70	65			NR	NR	69	66		
Max	61				52		48		54		56		64		70		71		NR		72		69	
Min	54	51	54		44	49	43	43	43	43	49	42	51	50	54	61	61		NR		65	65	61	
Avg	57	54	54		49		46		49		52		56		58		66		NR		68		65	

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

AO 5975.00 THERMALITO AFTERBAY RELEASE TO FEATHER RIVER NEAR ORVILLE
(October 1, 1974 through September 30, 1975)

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	62	60	57	56	52	52	43	42	43	42	51	48	53	52	56	53	72	65	65	65	70	67	68	65
2	60	59	57	55	52	52	43	42	44	43	51	50	53	53	55	53	68	66	67	64	71	67	66	64
3	59	59	56	55	52	52	42	42	44	44	53	51	53	53	55	52	68	66	64	64	71	67	67	64
4	60	59	56	55	52	52	43	42	45	44	54	51	53	53	53	51	68	66	68	64	71	67	67	64
5	60	59	56	55	52	52	43	43	45	45	55	52	53	53	54	50	67	65	69	65	68	66	68	64
6	59	59	56	55	52	51	44	43	45	45	54	53	55	53	55	52	66	64	72	66	67	66	67	64
7	60	59	56	55	51	50	45	44	45	45	54	53	54	53	55	53	67	64	75	67	69	66	68	62
8	59	58	55	54	51	51	46	45	47	45	54	54	55	53	56	53	64	62	75	69	70	67	65	64
9	58	57	55	54	51	50	46	46	48	47	54	54	55	54	56	53	65	61	75	69	70	67	65	64
10	58	57	55	54	51	50	46	45	48	48	54	54	55	53	55	53	67	64	72	70	71	67	64	61
11	59	58	55	54	50	50	45	45	49	48	56	54	60	55	59	54	66	64	73	68	70	66	63	61
12	60	58	55	54	50	50	45	45	49	49	55	54	60	58	57	54	67	64	70	68	69	67	62	60
13	60	59	55	55	50	49	46	45	49	49	54	54	60	59	59	55	68	63	72	67	68	65	64	61
14	60	59	55	55	49	49	46	45	50	49	54	53	60	59	58	56	67	64	68	67	67	65	64	61
15	61	60	55	54	49	49	46	45	49	48	53	53	59	58	56	55	67	64	68	65	69	66	63	61
16	60	59	54	53	49	49	45	45	49	48	53	52	60	58	58	54	70	68	68	65	68	66	64	61
17	60	59	53	53	50	49	45	45	48	47	52	51	61	58	58	56	72	69	65	64	69	66	63	59
18	59	58	53	53	50	49	45	45	48	47	52	51	61	59	61	57	71	67	67	64	69	67	62	59
19	59	58	53	53	49	49	45	45	48	47	52	52	64	59	61	58	67	65	69	65	68	66	62	59
20	59	58	53	53	49	48	45	45	48	48	53	52	64	62	59	56	68	64	70	65	67	66	65	61
21	59	57	53	53	48	48	46	45	48	46	53	51	64	63	57	56	67	65	69	66	66	65	66	62
22	58	56	54	53	48	47	46	46	47	46	51	51	63	61	57	57	68	65	71	67	69	65	68	63
23	56	55	53	52	47	45	46	46	49	46	51	50	61	59	64	59	68	66	73	67	67	65	67	65
24	56	56	52	51	45	43	47	46	49	47	51	51	59	58	69	61	67	64	72	67	72	67	67	65
25	56	56	53	52	44	43	47	46	50	47	53	51	58	56	65	63	68	64	73	68	73	68	66	64
26	56	55	53	52	44	43	47	46	51	48	52	50	56	54	67	63	68	65	71	68	69	67	66	64
27	57	56	52	52	44	44	46	44	52	50	51	50	57	54	67	65	68	64	70	68	68	66	66	63
28	57	56	52	52	44	44	44	44	51	50	51	49	55	52	66	65	67	63	70	68	67	65	65	62
29	57	56	52	52	44	43	44	43	51	49	55	52	55	52	67	65	66	64	70	68	68	65	65	63
30	57	56	52	52	43	42	44	42	52	51	55	53	55	53	68	66	67	65	71	66	67	65	64	62
31	57	57			43	42	43	41			54	52			71	64			68	67	68	65		
Max	62		57		52		47		52		56		64		71		72		75		73		68	
Min	55		51		42		41		42		48		52		50		61		64		65		59	
Avg	58		54		48		44		47		52		57		58		66		68		68		64	

AO 5990.00 FEATHER RIVER FISH HATCHERY
(October 1, 1974 through September 30, 1975)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	55	52	53	52	52	51	47	47	45	44	46	45	49	47	50	49	55	54	58	56	63	60	59	58
2	55	53	54	52	52	51	47	47	44	44	46	45	49	47	50	49	55	54	58	56	60	59	58	56
3	55	53	54	53	52	51	47	47	44	44	47	46	48	47	49	47	55	54	59	59	61	59	58	56
4	55	53	54	53	51	47	47	47	44	44	47	46	48	47	50	47	58	55	59	59	62	61	56	54
5	53	52	53	52	51	50	47	46	44	44	46	46	47	47	51	50	58	56	60	58	61	61	55	54
6	52	52	53	52	51	51	46	46	44	44	46	46	49	47	51	50	56	56	61	59	61	59	55	55
7	54	52	52	52	51	50	46	46	44	44	46	46	48	47	51	50	56	55	61	60	59	58	56	55
8	54	52	53	51	51	51	46	46	45	44	46	46	48	47	51	50	59	56	61	60	60	58	56	55
9	55	53	53	52	51	50	46	45	45	45	46	46	47	47	51	50	60	58	61	60	61	60	56	55
10	55	54	53	52	51	50	45	45	45	45	47	46	48	47	52	50	59	58	61	60	60	60	56	55
11	58	55	53	52	50	50	45	45	46	45	47	46	50	47	51	49	58	57	61	59	61	60	56	54
12	58	57	52	52	50	49	45	45	46	45	47	46	50	47	52	51	58	56	59	59	61	60	55	53
13	57	54	52	51	49	49	46	45	46	45	47	46	50	47	53	52	59	58	59	59	61	60	54	54
14	56	54	53	52	49	49	46	46	46	46	47	46	50	47	52	51	59	58	60	59	61	60	54	53
15	57	55	53	52	49	49	46	46	46	46	46	46	50	47	52	50	59	58	59	59	61	60	55	53
16	55	52	52	52	49	48	46	46	46	46	46	45	49	47	54	52	59	58	60	59	61	60	55	54
17	56	54	52	52	48	47	46	46	46	46	47	46	49	47	54	52	59	57	61	60	61	60	55	54
18	55	53	52	51	49	47	46	46	46	46	46	46	49	47	53	52	59	58	60	59	61	59	55	54
19	53	52	54	51	49	48	46	46	46	46	46	46	50	47	54	53	58	57	60	60	62	59	55	53
20	53	52	54	53	48	47	46	46	46	46	46	46	52	48	56	53	58	57	61	60	62	61	55	54
21	54	52	54	50	47	46	46	45	46	46	46	46	53	49	56	53	58	58	61	60	62	60	57	54
22	54	53	52	50	46	46	46	45	46	45	46	45	51	47	54	53	59	57	61	61	62	61	57	55
23	54	51	53	53	46	46	46	46	46	45	46	46	47	47	54	53	62	59	62	61	61	60	57	55
24	52	51	52	52	46	46	46	46	45	45	46	46	48	47	55	53	58	55	62	61	60	57	57	55
25	52	52	52	51	46	46	46	46	46	45	46	46	48	47	55	54	59	55	62	61	60	59	56	54
26	52	52	53	51	47	46	46	46	46	45	46	46	50	48	56	55	59	58	63	62	60	60	54	52
27	52	52	53	52	47	47	46	46	46	45	47	46	50	49	56	54	59	59	62	62	60	58	54	53
28	53	52	52	52	47	47	46	46	46	45	47	47	50	49	56	55	59	58	62	61	60	58	54	53
29	53	52	52	52	46	46	46	46	46	46	48	47	50	50	57	55	60	58	62	61	60	58	54	53
30	53	52	52	51	47	46	46	45	45	45	48	47	51	50	56	55	61	57	62	60	59	58	53	53
31	52	52	51	47	47	45	45	45	49	48	49	48	53	49	57	54	61	57	63	62	59	58	57	55
Max	58	51	54	50	52	52	47	45	46	45	49	45	53	47	57	54	61	57	63	60	63	57	59	52
Min	54	54	52	52	48	46	44	44	45	45	46	46	48	47	52	50	57	56	60	58	60	57	52	55

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

 36 1265.00 SQUIRREL CREEK NEAR PENN VALLEY
 (October 1, 1974, through September 30, 1975)

In Degrees Fahrenheit

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	63	56	54	50	45	40	39	36	NR	NR	52	50	52	44	63	53	73	66	69	61	72	63	66	59
2	64	59	52	48	46	44	39	34	44	41	54	50	53	45	62	55	70	63	69	60	73	64	66	59
3	64	59	51	47	49	46	40	35	45	40	53	47	51	48	58	53	71	63	69	61	73	64	66	59
4	63	59	51	47	51	47	42	40	45	43	55	48	48	43	57	50	73	63	69	61	72	63	67	60
5	61	56	51	47	48	45	42	39	45	43	52	51	46	41	58	49	73	66	70	61	72	63	69	61
6	60	54	51	47	49	45	45	42	46	44	51	50	50	41	59	49	75	67	72	62	72	63	69	62
7	60	54	50	50	48	43	47	45	49	46	50	48	45	41	60	51	73	66	73	63	70	62	69	62
8	62	58	51	48	47	43	47	44	51	48	51	48	48	43	62	52	73	65	73	63	71	62	69	63
9	62	58	50	46	45	41	44	41	51	48	50	48	54	42	63	54	74	65	74	64	71	62	69	64
10	60	56	50	46	44	40	45	43	50	46	51	47	55	44	62	55	74	66	72	66	71	63	67	64
11	60	55	51	46	46	43	45	41	51	46	53	47	56	46	65	52	73	66	75	65	71	63	67	61
12	60	54	52	47	47	45	45	40	48	46	52	45	58	48	66	56	74	65	75	65	72	63	68	62
13	59	53	53	49	47	45	45	40	49	46	48	41	58	50	67	53	76	66	75	65	71	63	68	62
14	59	53	53	49	47	44	45	40	49	45	51	42	54	49	67	61	77	67	74	65	71	63	67	61
15	59	53	52	49	48	43	46	40	47	41	47	43	54	46	64	58	76	68	68	66	70	63	67	61
16	59	53	51	48	47	43	47	41	47	42	50	43	53	46	66	57	75	67	73	65	70	63	67	61
17	59	54	52	50	47	44	46	41	46	40	47	44	55	46	68	59	73	67	74	66	68	63	68	61
18	59	53	53	50	45	41	47	41	46	41	51	46	56	47	70	60	70	63	77	66	66	62	67	64
19	58	54	50	47	43	39	47	41	47	46	50	49	59	51	67	61	68	62	74	65	64	61	67	62
20	59	54	51	46	44	40	47	42	49	45	52	45	59	51	63	57	70	61	74	65	68	60	67	61
21	57	52	51	50	44	41	48	42	46	41	48	42	60	53	63	55	72	63	75	66	67	63	67	61
22	56	51	50	47	42	39	48	43	47	40	47	42	56	51	65	57	72	63	75	66	69	62	66	61
23	55	50	48	44	39	36	48	43	49	42	50	44	56	51	67	58	70	64	76	67	70	63	66	60
24	55	50	48	43	38	33	49	43	49	43	50	47	54	49	68	60	65	61	77	68	70	62	66	60
25	56	51	50	47	39	35	49	43	51	45	52	45	53	47	69	61	66	58	78	69	71	63	65	59
26	57	53	48	44	41	35	49	44	52	45	50	42	55	46	69	61	68	59	77	68	70	64	64	59
27	56	53	47	43	41	40	44	40	55	49	50	42	58	48	70	61	69	60	77	68	67	62	63	58
28	55	52	46	41	43	40	41	37	55	49	50	41	59	50	70	61	71	61	76	68	67	61	62	57
29	54	51	46	41	40	36	43	37	53	42	53	42	60	51	70	62	72	62	76	68	67	60	61	56
30	53	50	46	41	42	38	41	36	55	46	61	52	73	62	71	62	72	64	72	64	66	60	62	57
31	54	52			41	37	NR	NR	55	48	55	48			74	64			71	63	66	59		
Max	64		54		51		NR		NR		55		61		74		77		78		73		69	
Min	50		41		33		NR		NR		41		41		49		58		60		59		56	
Avg	56		48		42		NR		NR		48		51		61		68		69		66		63	

 B9 D 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE
 (October 1, 1974 through September 30, 1975)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	NR	NR	NR	NR	53	51	48	46	50	48	58	57	57	55	68	65	70	68	72	69	78	76	73	71
2	NR	NR	NR	NR	52	51	49	47	51	50	58	56	58	56	68	66	68	66	71	69	79	77	74	73
3	NR	NR	NR	NR	52	51	48	47	52	51	58	56	57	56	67	63	68	63	71	69	80	79	75	73
4	NR	NR	NR	NR	55	53	50	48	53	52	58	57	57	56	63	61	68	65	72	69	80	79	76	74
5	NR	NR	NR	NR	55	54	50	49	53	52	58	57	58	56	62	59	69	66	74	70	80	78	77	75
6	NR	NR	NR	NR	54	53	51	50	53	52	58	56	57	56	64	60	70	67	75	72	78	75	77	75
7	NR	NR	NR	NR	53	52	50	49	53	52	58	56	56	55	64	61	69	66	76	73	75	74	77	74
8	NR	NR	NR	NR	54	53	54	52	54	53	58	56	57	55	65	62	69	66	77	74	77	75	75	72
9	NR	NR	NR	NR	53	53	53	52	56	54	57	56	58	56	65	62	69	66	76	74	78	77	73	70
10	NR	NR	NR	NR	53	52	52	52	55	54	56	56	59	57	66	62	69	67	77	70	78	76	73	70
11	NR	NR	NR	NR	52	52	52	51	56	55	57	55	60	58	67	63	69	68	76	75	78	76	73	70
12	NR	NR	NR	NR	53	52	54	51	56	54	57	55	61	59	68	64	70	68	79	76	78	76	73	70
13	NR	NR	NR	NR	53	52	52	50	54	53	56	54	62	60	69	66	71	68	79	76	77	75	NR	NR
14	NR	NR	NR	NR	53	52	51	50	54	52	55	54	62	61	69	66	71	69	79	77	76	74	NR	NR
15	NR	NR	NR	NR	53	52	51	51	52	51	54	53	61	59	67	65	70	68	78	75	77	75	NR	NR
16	NR	NR	57	56	53	52	51	50	52	50	54	53	60	59	67	64	69	67	77	73	76	74	NR	NR
17	NR	NR	57	56	53	52	52	50	50	49	54	53	60	58	69	65	68	66	78	75	75	74	NR	NR
18	NR	NR	57	56	52	51	51	51	50	49	56	53	61	58	70	67	68	65	77	75	75	70	NR	NR
19	NR	NR	56	55	52	51	51	51	50	50	56	55	62	60	69	67	66	65	78	75	73	70	73	72
20	NR	NR	56	55	52	52	52	51	50	51	50	57	55	64	61	67	63	68	65	78	76	75	72	72
21	NR	NR	56	56	52	51	51	50	50	49	56	54	65	63	65	62	70	64	79	74	77	73	73	70
22	61	59	56	54	52	50	51	50	50	48	54	53	64	62	66	62	72	68	80	76	78	75	73	71
23	60	59	55	53	50	48	51	50	51	49	55	53	65	62	68	64	71	69	81	80	79	76	73	71
24	60	59	54	52	49	47	52	50	52	50	57	55	64	63	69	66	70	68	82	80	79	77	74	72
25	61	59	54	53	48	47	52	51	54	52	58	56	63	61	69	66	71	68	83	80	80	77	74	72
26	61	60	54	52	49	46	52	51	54	53	56	54	61	59	70	67	71	68	84	82	79	76	73	72
27	61	60	54	52	49	48	52	50	56	54	55	53	63	60	69	66	72	69	83	82	76	74	72	70
28	61	60	53	52	50	49	50	48	54	52	54	52	64	62	71	69	73	70	82	79	75	72	71	68
29	60	59	52	51	49	48	50	49	54	52	55	52	65	62	70	67	74	71	80	78	74	72	70	68
30	NR	NR	53	51	49	48	50	48	56	53	56	54	63	64	72	68	72	69	79	77	74	72	71	68
31	NR	NR	NR	NR	49	46	49	48	57	56	57	56	66	66	71	69	72	69	82	78	74	72	NR	NR
Max	NR	NR	NR	NR	55	54	54	54	58	58	58	58	66	66	72	74	74	74	84	84	84	84	NR	NR
Min	NR	NR	NR	NR	46	46	46	46	48	48	52	52	55	55	59	65	65	65	76	76	76	76	NR	NR
Avg	NR	NR	NR	NR	51	50	50	50	52	52	56	56	60	60	66	66	69	69	76	76	76	76	NR	NR

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

B9 D 757.8 121.9 STOCKTON SHIP CHANNEL AT BURNS CUTOFF
(October 1, 1974 through September 30, 1975)

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	71	69	60	60	53	52	47	46	47	47	55	54	NR	NR	65	62	NR	NR	76	74	NR	NR	NR	NR
2	70	69	60	59	53	52	47	45	48	47	56	54	NR	NR	65	62	NR	NR	76	74	NR	NR	NR	NR
3	70	69	NR	NR	53	52	46	45	48	47	56	54	NR	NR	64	63	NR	NR	76	74	NR	NR	NR	NR
4	71	69	NR	NR	54	53	46	45	49	47	58	55	NR	NR	64	63	NR	NR	75	74	NR	NR	NR	NR
5	70	69	NR	NR	54	53	46	45	50	49	58	57	51	50	64	63	NR	NR	76	74	NR	NR	NR	NR
6	70	69	NR	NR	54	53	47	46	51	50	58	57	NR	NR	64	63	NR	NR	77	74	NR	NR	NR	NR
7	70	69	NR	NR	54	53	48	47	52	51	58	58	NR	NR	64	63	NR	NR	77	75	NR	NR	NR	NR
8	69	68	NR	NR	54	53	48	48	52	51	58	57	56	55	64	63	NR	NR	76	75	NR	NR	NR	NR
9	69	68	NR	NR	53	53	49	48	53	52	57	56	57	56	65	63	NR	NR	NR	NR	NR	NR	78	76
10	68	67	NR	NR	53	52	49	47	54	53	57	56	57	56	66	64	NR	NR	NR	NR	NR	NR	77	76
11	68	67	NR	NR	52	52	50	49	54	53	56	56	58	57	67	65	NR	NR	NR	NR	NR	NR	77	75
12	68	67	NR	NR	52	51	50	49	54	54	57	56	60	57	67	65	NR	NR	NR	NR	NR	NR	77	76
13	69	67	NR	NR	52	51	50	49	54	53	56	55	61	58	70	66	NR	NR	NR	NR	NR	NR	77	75
14	69	67	NR	NR	52	51	50	49	53	51	55	52	60	59	69	67	NR	NR	NR	NR	NR	NR	76	75
15	69	67	NR	NR	52	51	50	49	52	51	54	52	60	59	70	67	NR	NR	NR	NR	NR	NR	76	75
16	69	67	NR	NR	52	51	50	49	51	50	54	53	60	59	70	68	NR	NR	NR	NR	NR	NR	76	74
17	69	67	NR	NR	52	51	49	49	50	49	54	53	60	59	71	68	73	71	NR	NR	NR	NR	75	74
18	69	67	NR	NR	52	51	50	49	49	48	55	52	60	59	71	68	72	70	NR	NR	NR	NR	76	74
19	69	68	NR	NR	52	51	50	49	49	49	55	54	61	59	70	69	71	70	NR	NR	NR	NR	75	74
20	69	68	57	56	51	51	50	49	49	48	56	54	61	59	69	67	72	69	NR	NR	NR	NR	75	74
21	68	66	56	56	51	50	50	49	49	48	55	53	62	60	67	66	72	70	NR	NR	NR	NR	76	74
22	66	65	56	56	51	50	49	49	49	48	55	52	62	61	68	65	73	71	NR	NR	NR	NR	76	74
23	65	64	56	55	50	48	49	49	50	48	54	52	62	61	68	65	73	71	NR	NR	NR	NR	75	74
24	64	62	56	54	49	48	50	49	50	49	56	53	62	62	69	66	72	69	NR	NR	NR	NR	76	74
25	63	61	56	55	49	47	50	49	51	49	56	54	62	61	70	68	73	71	NR	NR	NR	NR	76	75
26	62	61	55	54	48	47	50	50	53	51	55	53	62	60	71	68	74	72	NR	NR	NR	NR	77	75
27	61	60	55	54	48	47	50	49	53	52	54	52	62	61	72	69	74	73	NR	NR	NR	NR	76	75
28	61	61	54	53	48	47	49	49	55	53	54	51	62	61	71	69	75	73	NR	NR	NR	NR	75	73
29	61	60	54	53	48	46	49	48	NR	NR	NR	NR	64	61	72	69	77	74	NR	NR	NR	NR	74	72
30	61	60	54	52	46	46	48	48	NR	NR	NR	NR	65	62	73	71	76	74	NR	NR	NR	NR	74	71
31	61	60			47	45	48	47			NR	NR			74	71			NR	NR	NR	NR		
Max	71		NR		54		50		55		NR		NR		74		NR		NR		NR		NR	
Min	60		NR		45		45		47		NR		NR		62		NR		NR		NR		NR	
Avg	66		NR		51		48		50		NR		NR		67		NR		NR		NR		NR	

B9 D 759.8 125.1 SAN JOAQUIN RIVER AT RHIDGE MUPF
(October 1, 1974 through September 30, 1975)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	70	68			NR	NR	44	42	45	45	53	52	53	52	64	61	73	71	73	71	79	78	75	74
2	69	69			NR	NR	44	42	46	45	55	52	55	53	65	62	72	71	73	71	80	78	75	74
3	69	68			NR	NR	44	43	47	46	55	53	55	54	64	61	72	71	73	71	80	78	75	74
4	69	68			52	51	44	43	47	46	55	54	55	54	62	60	72	71	72	72	80	79	75	74
5	69	68			52	51	43	43	47	47	55	55	55	54	62	61	72	71	73	71	79	78	76	75
6	68	67			52	51	44	43	48	47	55	55	54	54	63	61	72	71	74	72	79	78	76	75
7	68	66			52	51	45	44	49	48	55	55	54	54	63	62	71	71	74	72	79	77	75	75
8	68	66			52	51	46	45	52	49	56	55	54	54	64	63	74	71	74	73	78	77	75	75
9	67	66			51	51	45	45	52	51	56	55	55	54	64	63	73	71	75	73	79	77	75	74
10	67	66	N		51	51	45	45	52	52	55	55	56	55	66	64	73	71	76	74	79	78	75	74
11	67	66			50	50	46	45	53	52	55	54	56	55	68	64	73	71	77	74	79	78	74	74
12	67	65			50	50	47	46	53	53	54	54	58	56	68	64	73	71	77	75	78	78	75	73
13	67	65			50	50	47	47	53	53	54	54	60	57	70	67	74	71	77	75	78	77	75	73
14	67	66			50	50	47	47	53	52	54	53	58	58	70	67	74	71	77	75	77	76	74	73
15	68	66	R		50	50	47	47	52	51	53	52	58	57	69	67	74	71	76	75	77	76	74	73
16	67	66	E		50	50	47	47	51	50	52	52	58	57	69	67	74	72	76	74	77	76	74	73
17	68	66			50	50	47	47	50	49	52	52	59	58	71	68	73	71	77	75	76	76	74	73
18	68	67	C		50	50	47	47	49	49	53	52	59	58	72	69	71	70	76	75	76	75	73	73
19	67	66			50	49	47	47	49	49	53	52	61	58	71	69	70	69	77	75	75	74	73	73
20	67	66	O		50	49	47	47	49	48	53	52	61	59	69	66	69	68	77	76	75	74	73	73
21	67	65	R		49	49	47	47	48	47	53	52	61	59	67	66	69	69	77	76	75	75	73	73
22	66	64			49	48	47	47	48	47	52	52	61	59	68	67	71	69	79	76	76	75	73	73
23	65	64	D		48	45	47	47	48	47	52	51	60	60	69	68	70	69	79	77	77	75	74	73
24	64	63			47	46	47	47	48	48	53	52	60	60	71	68	69	69	79	77	77	76	74	73
25	64	63			47	46	47	47	49	48	53	53	60	59	72	68	71	68	81	78	77	77	74	74
26	63	62			46	45	47	47	50	49	53	51	60	59	73	69	71	69	82	79	77	77	74	74
27	62	61			46	45	47	46	52	50	51	51	61	59	73	69	72	69	80	79	77	76	74	73
28	62	61			45	45	46	45	53	51	51	50	61	60	72	69	74	70	80	79	76	75	74	73
29	61	60			45	44	46	46			52	50	63	60	73	70	74	71	80	79	76	75	73	72
30	60	60			44	43	47	45	54	54	54	51	64	61	73	71	73	71	79	77	76	74	73	72
31	NR	NR			43	42	47	45	54	54	54	52			74	71			79	78	76	74		
Max	NR	NR	NR	NR	NR	NR	47	45	53	52	56	56	64	64	74	74	74	82	80	80	78	76	76	76
Min	NR	NR	NR	NR	NR	NR	42	45	50	50	52	52	60	60	68	68	71	71	74	74	72	72	72	72
Avg	NR	NR	NR	NR	NR	NR	46	46	49	49	53	53	60	60	67	67	71	71	76	76	77	77	74	74

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	65	65	59	59	53	53	47	46	47	47	51	50	52	51	57	56	65	65	67	66	73	73	69	69
2	65	65	59	58	53	53	46	46	47	47	52	51	52	52	57	56	65	65	67	67	73	73	69	68
3	65	65	58	58	53	53	46	46	47	46	52	52	52	52	57	57	65	65	67	67	73	73	68	68
4	65	65	58	57	53	53	46	46	46	46	53	52	53	52	57	57	65	65	67	67	71	71	68	68
5	65	64	57	57	53	53	46	46	47	46	53	53	53	53	57	57	65	65	67	66	72	72	69	68
6	64	64	57	57	53	52	46	46	47	47	53	53	53	53	57	57	65	65	67	66	72	71	69	69
7	64	63	57	57	52	52	46	46	47	47	53	53	53	52	57	57	65	65	67	67	71	71	69	69
8	63	63	57	57	52	52	47	46	47	47	53	53	52	52	57	57	65	65	68	67	71	71	69	69
9	63	63	57	56	52	52	48	47	48	47	53	53	52	52	57	57	65	65	69	68	71	70	69	69
10	63	62	56	56	52	52	48	48	49	48	53	53	52	52	57	57	66	65	70	69	71	70	69	69
11	63	62	56	56	52	52	48	48	50	49	53	53	52	52	58	57	66	66	70	70	71	71	69	69
12	62	62	56	56	52	52	48	48	50	50	53	53	53	52	58	57	66	65	71	70	71	71	69	69
13	62	62	56	56	52	52	48	48	50	50	53	53	54	53	58	58	65	65	71	71	71	71	69	68
14	62	62	56	56	52	52	48	48	50	50	53	53	54	54	59	58	66	65	71	71	71	71	68	68
15	62	62	56	56	52	51	48	48	50	50	53	53	55	54	59	59	66	66	71	71	71	70	68	66
16	62	62	56	56	51	51	48	48	50	50	53	52	55	55	59	59	66	66	71	71	70	70	68	68
17	62	62	56	56	51	51	48	48	50	50	52	52	55	55	60	59	66	66	71	71	70	70	68	68
18	63	62	56	56	51	51	48	48	50	49	52	52	55	55	60	60	66	66	71	71	70	70	68	68
19	63	62	56	56	51	51	48	48	49	49	52	52	55	54	60	60	66	66	71	70	70	69	68	68
20	62	62	56	56	51	51	48	48	49	49	52	52	54	54	61	60	66	66	71	70	69	69	68	68
21	62	61	56	56	51	51	48	48	49	49	52	52	55	54	61	60	66	65	70	70	69	69	68	68
22	62	61	56	55	51	51	48	48	49	49	52	52	55	55	60	60	65	65	71	70	69	69	68	68
23	61	61	55	55	51	50	48	48	49	48	52	52	56	55	60	60	65	65	72	71	68	68	68	68
24	61	60	55	54	50	49	48	48	49	48	53	53	56	56	63	60	65	65	72	71	70	69	68	68
25	60	59	54	54	49	49	48	48	49	48	52	52	56	56	61	60	65	65	73	72	71	69	69	68
26	59	59	54	54	49	48	49	49	49	49	52	52	56	56	61	61	65	65	74	73	71	71	69	69
27	59	59	54	54	48	48	49	49	49	49	52	51	56	55	62	61	65	65	73	74	71	71	69	69
28	59	59	54	53	48	48	49	49	50	49	51	51	56	55	63	62	66	66	75	75	71	70	69	68
29	59	59	53	53	48	47	49	49	49	49	51	51	56	55	64	63	66	66	75	75	70	70	68	67
30	59	59	53	53	47	47	49	48	49	48	51	51	56	56	64	64	66	66	75	74	70	69	67	67
31	59	59			47	47	48	47			51	51			65	64			74	73	69	69		
Max	65		59		53		49		50		53		56		65		66		75		73		69	
Min	59		56		47		46		46		50		51		56		65		66		69		67	
Avg	62		53		51		48		49		52		54		59		65		70		71		68	

[illegible]

TABLE D-8 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 2170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25°C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	135	135	135	165	140	145	195	170	185	235	205	220	180	170	175
2	NR	NR	NR	160	130	145	NR	NR	NR	195	170	185	255	235	245	175	175	175
3	NR	NR	NR	145	135	140	NR	NR	NR	180	175	180	245	145	195	180	160	170
4	NR	NR	NR	130	125	130	NR	NR	NR	185	170	180	145	130	140	170	155	165
5	NR	NR	NR	135	130	130	NR	NR	NR	225	170	190	150	125	140	165	160	165
6	NR	NR	NR	140	135	140	NR	NR	NR	220	175	190	160	140	155	205	165	185
7	NR	NR	NR	140	135	140	140	120	125	180	165	175	170	155	165	190	165	180
8	NR	NR	NR	200	140	155	160	130	140	175	145	165	165	150	160	225	155	180
9	NR	NR	NR	145	140	140	175	155	165	190	120	145	150	145	145	165	135	150
10	NR	NR	NR	140	135	135	165	160	165	135	120	130	145	135	140	135	130	135
11	NR	NR	NR	135	130	135	170	165	170	145	105	125	135	130	135	145	135	140
12	NR	NR	NR	140	130	135	170	170	170	220	145	180	140	135	140	145	140	140
13	NR	NR	NR	135	125	130	190	165	175	185	155	170	145	135	140	150	140	145
14	NR	NR	NR	135	125	130	165	160	165	170	155	160	145	135	140	155	150	150
15	NR	NR	NR	135	120	125	165	160	160	180	155	170	135	130	130	155	150	150
16	NR	NR	NR	160	135	145	160	150	155	240	170	195	145	130	140	155	150	155
17	NR	NR	NR	135	125	130	185	155	170	190	180	185	145	140	140	160	155	155
18	NR	NR	NR	135	115	125	155	140	155	240	185	205	150	145	150	160	155	155
19	135	125	130	130	125	130	155	150	150	200	190	195	150	145	150	160	135	145
20	180	135	155	135	125	130	170	145	155	280	200	235	145	140	140	150	110	125
21	140	135	140	145	125	135	170	145	155	270	255	260	155	145	150	130	100	115
22	140	135	140	140	135	135	165	155	160	255	230	245	155	125	140	135	105	120
23	145	130	135	135	135	135	205	145	170	265	230	245	170	130	160	140	120	130
24	130	125	130	135	135	135	155	155	155	230	220	225	170	150	160	125	115	120
25	145	130	140	135	135	135	165	155	160	220	220	220	155	140	145	145	120	130
26	140	135	135	135	135	135	160	150	155	220	220	220	165	140	160	155	125	140
27	140	135	135	135	135	135	170	145	155	220	190	205	170	150	160	145	110	125
28	155	135	145	135	135	135	185	150	175	185	180	180	165	150	160	135	110	125
29	150	140	145	140	135	140	205	135	175	225	185	200	150	140	150	150	125	140
30	140	140	140	140	140	140	155	110	130	185	185	185	150	140	150	160	135	145
31	140	135	135				225	160	185	210	180	190				155	140	150

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	165	145	155	155	125	140	165	145	155	NR	NR	NR	NR	NR	NR	205	205	205
2	175	155	165	150	125	140	150	135	145	NR	NR	NR	NR	NR	NR	210	200	205
3	180	155	170	150	125	135	160	135	145	NR	NR	NR	NR	NR	NR	215	205	210
4	NR	NR	NR	145	125	135	160	140	150	NR	NR	NR	NR	NR	NR	205	200	200
5	NR	NR	NR	140	130	135	170	150	160	NR	NR	NR	NR	NR	NR	205	200	205
6	NR	NR	NR	140	130	135	160	135	150	NR	NR	NR	NR	NR	NR	215	210	210
7	NR	NR	NR	140	130	135	140	140	150	NR	NR	NR	NR	NR	NR	230	215	225
8	NR	NR	NR	140	135	135	140	130	135	NR	NR	NR	NR	NR	NR	235	230	230
9	NR	NR	NR	140	130	135	140	125	135	NR	NR	NR	NR	NR	NR	240	235	235
10	NR	NR	NR	140	130	135	135	130	130	NR	NR	NR	NR	NR	NR	240	230	235
11	NR	NR	NR	145	130	140	140	130	135	NR	NR	NR	NR	NR	NR	235	225	230
12	NR	NR	NR	145	130	135	135	125	130	NR	NR	NR	NR	NR	NR	245	220	230
13	NR	NR	NR	145	135	140	135	125	130	NR	NR	NR	NR	NR	NR	245	215	225
14	NR	NR	NR	145	130	140	135	125	130	NR	NR	NR	NR	NR	NR	235	205	225
15	NR	NR	NR	150	130	140	150	130	140	NR	NR	NR	NR	NR	NR	230	210	220
16	150	135	140	140	130	135	135	130	135	NR	NR	NR	NR	NR	NR	220	205	215
17	155	130	140	145	130	135	135	130	135	200	175	185	NR	NR	NR	235	200	220
18	170	145	160	140	135	135	150	130	140	200	175	185	NR	NR	NR	230	200	215
19	175	155	165	145	135	140	150	140	145	NR	NR	NR	NR	NR	NR	220	200	210
20	175	155	165	150	135	145	160	150	155	NR	NR	NR	NR	NR	NR	210	200	205
21	165	150	155	145	140	140	205	150	175	NR	NR	NR	215	200	210	195	190	195
22	NR	NR	NR	160	145	155	180	170	175	NR	NR	NR	215	195	205	NR	NR	NR
23	NR	NR	NR	170	155	165	180	180	180	NR	NR	NR	215	200	210	NR	NR	NR
24	NR	NR	NR	175	165	170	185	170	175	NR	NR	NR	210	205	205	NR	NR	NR
25	NR	NR	NR	180	170	175	170	150	160	NR	NR	NR	210	200	205	NR	NR	NR
26	145	130	140	175	170	175	170	155	160	NR	NR	NR	210	200	205	NR	NR	NR
27	135	125	130	180	170	175	180	160	170	NR	NR	NR	210	195	200	NR	NR	NR
28	130	120	125	180	160	170	180	165	175	NR	NR	NR	205	195	200	NR	NR	NR
29	150	120	135	175	160	170	180	170	175	NR	NR	NR	210	200	205	NR	NR	NR
30	150	125	135	175	145	160	180	170	175	NR	NR	NR	205	200	205	NR	NR	NR
31				165	150	160				NR	NR	NR	210	205	205			

NR - No Record

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	NR	NR	NR	1055	1050	1052	1085	1015	1050	1260	1235	1247			
2	NR	NR	NR	NR	NR	NR	1050	1040	1045	1130	1080	1095	1235	675	955			
3	NR	NR	NR	NR	NR	NR	1040	780	1025	1130	1080	1090	1010	500	755			
4	NR	NR	NR	NR	NR	NR	1050	780	1025	1130	1100	1100	1025	1010	1017			
5	NR	NR	NR	NR	NR	NR	1020	975	1000	1125	1100	1110	1025	920	972			
6	NR	NR	NR	NR	NR	NR	1050	1020	1035	1175	1125	1150	970	865	893			
7	NR	NR	NR	NR	NR	NR	1085	1020	1050	1220	1175	1197	920	840	880			
8	NR	NR	NR	NR	NR	NR	1020	740	835	1250	1200	1230	980	920	950			
9	NR	NR	NR	NR	NR	NR	820	740	780	1250	1250	1250	1000	900	980			
10	NR	NR	NR	NR	NR	NR	855	820	837	1250	1250	1250	1000	980	990			
11	NR	NR	NR	NR	NR	NR	925	855	890	1270	1240	1255	980	960	975			
12	NR	NR	NR	NR	NR	NR	960	920	940	1335	1245	1290	980	650	875			
13	NR	NR	NR	NR	NR	NR	975	945	960	1375	1335	1355	800	700	770			
14	NR	NR	NR	NR	NR	NR	1020	945	982	1440	1375	1408	780	760	770			
15	NR	NR	NR	NR	NR	NR	1040	1000	1015	1465	1440	1452	780	760	770			
16	NR	NR	NR	NR	NR	NR	1060	1020	1040	1425	1360	1392	760	725	743			
17	NR	NR	NR	NR	NR	NR	1085	1085	1087	1360	1340	1350	730	725	728			
18	NR	NR	NR	NR	NR	NR	1090	1085	1087	1350	1340	1349	760	730	745			
19	NR	NR	NR	NR	NR	NR	1090	1065	1078	1350	1350	1350	760	740	750			
20	NR	NR	NR	910	900	905	1075	1065	1070	1450	1350	1375	740	700	720			
21	NR	NR	NR	900	900	900	1085	1075	1080	1475	1400	1432	700	690	698			
22	NR	NR	NR	950	920	938	1090	1085	1087	1475	1125	1200	685	680	683			
23	NR	NR	NR	NR	NR	NR	1140	1090	1115	1220	1125	1172	NR	NR	NR			
24	650	645	647	NR	NR	NR	1170	1140	1155	1225	1125	1175	NR	NR	NR			
25	NR	NR	NR	NR	NR	NR	1170	1155	1163	1180	1115	1147	NR	NR	NR			
26	NR	NR	NR	NR	NR	NR	1170	1150	1160	1140	1180	1210	NR	NR	NR			
27	NR	NR	NR	NR	NR	NR	1150	1110	1140	1260	1240	1250	NR	NR	NR			
28	NR	NR	NR	1070	1050	1060	1150	1130	1145	1260	1250	1255	NR	NR	NR			
29	NR	NR	NR	1070	1070	1070	1130	1110	1120	1260	1260	1260						
30	NR	NR	NR	1070	1050	1069	1140	1015	1090	1300	1260	1280						
31	NR	NR	NR				1015	1015	1015	1300	1260	1280						

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1				NR	NR	NR	860	840	850	735	725	730	710	700	703	535	530	532
2				NR	NR	NR	885	860	872	740	730	735	700	700	700	535	530	532
3				NR	NR	NR	960	860	910	760	740	750	700	690	698	538	530	534
4				NR	NR	NR	980	960	970	760	750	755	685	680	683	538	530	534
5				NR	NR	NR				770	760	765	680	680	680	54	538	539
6				NR	NR	NR	1000	970	980	755	740	748	680	680	680	538	530	534
7				NR	NR	NR	1000	960	980	740	700	720	680	675	679	540	530	535
8				NR	NR	NR	975	780	940	700	695	698	680	675	678	550	540	545
9				NR	NR	NR	980	960	970	700	690	695	680	662	671	540	530	535
10		N		NR	NR	NR	960	790	910	700	690	697	670	662	666	555	525	540
11				NR	NR	NR	790	205	440	705	700	702	670	662	666	525	490	513
12				NR	NR	NR	640	320	480	705	700	703	670	662	666	515	510	512
13				725	635	680	930	620	800	700	685	693	670	660	665	530	513	521
14				635	600	618	1005	930	980	695	625	690	670	660	665	530	525	527
15		R		615	600	608	NR	NR	NR	700	695	698	665	660	663	545	530	537
16		E		625	615	620	NR	NR	NR	700	685	695	665	660	662	555	545	550
17				615	555	585	NR	NR	NR	680	660	673	658	640	649	580	555	567
18		C		555	535	545	NR	NR	NR	660	628	645	640	640	640	600	580	590
19				550	535	543	NR	NR	NR	630	628	628	640	620	630	605	595	600
20		D		580	550	565	NR	NR	NR	630	630	630	620	580	600	605	600	602
21				600	580	590	1080	930	1000	NR	NR	NR	580	570	575	610	600	605
22				660	575	668	930	840	885	NR	NR	NR	575	570	573	608	600	604
23				690	645	667	840	780	810	NR	NR	NR	580	575	578	635	600	618
24				710	625	680	780	755	767	NR	NR	NR	590	580	585	645	635	640
25				690	620	685	755	740	748	NR	NR	NR	600	585	592	650	640	645
26				690	680	685	745	735	740	NR	NR	NR	600	565	583	665	650	655
27				725	690	708	760	745	753	NR	NR	NR	570	560	565	660	660	665
28				780	725	757	750	740	745	NR	NR	NR	580	570	575	660	660	660
29				805	780	792	745	720	732	700	700	700	570	550	560	670	660	665
30				835	805	820	735	690	713	700	700	700	550	540	545	700	658	679
31				840	835	837				710	700	702	540	535	539			

NR - No Record

TABLE D-8 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 7140.10 AMERICAN RIVER AT SACRAMENTO WATER TREATMENT PLANT

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25°C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	48	44	46	54	50	52	54	50	52	56	51	54	60	56	58	62	60	61
2	50	45	47	54	50	52	55	51	53	55	51	53	61	58	59	62	60	61
3	50	46	48	53	48	51	54	50	53	55	52	53	62	58	60	62	60	61
4	50	46	48	52	48	51	55	52	53	56	51	54	62	58	60	62	60	61
5	50	47	48	53	49	51	54	49	52	56	51	54	61	56	58	63	61	62
6	50	47	48	54	50	52	54	51	53	57	52	55	58	53	55	63	61	62
7	50	46	48	55	51	53	54	50	52	57	52	54	54	51	52	64	61	63
8	49	46	48	55	51	54	53	49	51	58	54	56	54	51	53	65	62	63
9	48	46	47	56	51	54	53	49	52	59	55	57	56	52	54	66	63	65
10	48	44	46	55	51	53	53	50	52	59	55	57	57	54	56	66	62	64
11	48	45	47	56	52	53	53	50	52	60	54	57	58	56	57	65	62	63
12	48	45	47	55	52	54	54	51	53	60	54	58	58	54	55	64	62	63
13	48	44	47	56	52	53	55	52	54	59	54	57	56	54	55	65	61	63
14	49	45	48	56	52	53	55	52	53	58	54	56	57	56	56	66	62	64
15	50	46	49	55	53	54	55	52	54	57	53	56	56	54	55	66	63	65
16	51	47	49	56	52	54	55	51	53	57	54	56	55	53	54	66	62	64
17	51	47	49	57	52	55	54	52	53	59	55	57	56	54	55	68	65	66
18	52	47	50	57	52	54	56	51	54	60	54	57	54	53	54	68	64	65
19	52	47	50	56	51	54	56	53	54	60	55	58	55	53	54	65	62	64
20	52	47	50	53	50	53	57	53	55	61	56	59	60	55	57	65	62	64
21	52	48	51	54	50	52	57	52	55	62	57	60	60	58	59	64	62	63
22	53	49	52	53	50	52	57	52	55	60	56	58	60	57	58	67	63	65
23	54	50	52	53	49	52	56	51	56	60	56	58	58	56	57	67	64	65
24	54	50	52	54	50	52	55	51	54	60	56	58	60	57	58	66	64	65
25	54	50	53	53	48	51	55	50	53	62	56	59	60	58	59	66	64	65
26	54	50	52	52	49	51	55	50	53	62	56	60	61	58	59	65	64	64
27	55	49	51	52	50	51	55	51	54	62	56	60	62	60	61	64	62	63
28	58	52	54	53	49	52	57	53	54	61	56	59	62	60	61	63	62	63
29	54	50	53	53	50	52	57	50	54	61	56	59				64	62	63
30	55	51	53	54	50	52	56	51	54	60	56	58				65	63	64
31	55	52	54				57	52	55	60	54	57				65	64	65

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	65	64	64	68	66	67	58	56	57	50	47	49	50	47	49	52	46	49
2	65	64	64	68	66	67	58	54	56	50	47	49	50	46	48	54	47	50
3	65	64	64	68	66	67	56	52	54	50	48	49	49	45	47	52	46	49
4	65	64	64	68	65	67	55	52	54	51	48	50	49	45	47	51	46	48
5	66	64	65	67	65	66	55	53	54	51	48	49	49	45	47	54	46	50
6	66	64	65	67	66	66	54	52	53	51	47	49	48	45	47	54	44	48
7	66	64	65	66	65	66	54	51	53	51	48	49	48	46	47	50	44	47
8	66	64	65	66	65	66	54	50	52	50	46	48	49	45	47	51	45	48
9	66	64	65	66	65	66	52	50	51	50	46	48	49	45	47	50	45	48
10	65	64	65	66	64	65	52	48	50	50	46	48	49	46	48	50	46	48
11	66	64	65	66	64	65	50	48	49	49	46	48	50	46	48	50	45	47
12	67	64	66	66	64	65	50	48	49	50	46	48	50	46	48	NR	NR	NR
13	68	65	67	66	64	65	50	48	49	50	46	48	49	46	48	NR	NR	NR
14	68	66	67	66	64	65	50	48	49	50	47	48	50	46	48	NR	NR	NR
15	68	66	67	65	63	64	51	48	49	50	47	48	50	46	48	NR	NR	NR
16	67	65	66	65	62	64	51	48	49	49	46	48	52	47	49	NR	NR	NR
17	67	65	66	65	63	64	51	48	49	49	47	48	52	46	50	50	44	47
18	68	66	67	64	62	63	50	48	49	49	47	48	54	48	51	50	44	47
19	68	66	67	64	61	63	50	48	49	50	46	48	53	47	50	50	44	47
20	68	66	67	63	60	61	50	48	49	50	46	48	51	47	49	50	44	47
21	68	66	67	62	60	61	50	48	49	50	47	49	51	47	49	50	44	47
22	68	66	67	62	60	61	51	48	50	50	46	49	51	46	49	50	45	48
23	68	66	67	61	58	60	51	48	50	49	46	48	51	46	49	50	44	47
24	68	66	67	60	58	59	51	48	50	49	46	48	51	46	49	49	44	47
25	68	66	67	60	58	59	50	47	49	49	46	48	52	46	49	49	44	47
26	68	66	67	59	57	58	50	47	49	50	46	48	51	46	49	48	44	46
27	68	66	67	59	57	58	50	48	49	50	46	48	51	47	49	50	44	47
28	68	66	67	59	57	58	50	47	48	50	47	49	51	46	49	50	44	47
29	68	66	67	59	57	58	50	46	48	50	48	49	51	46	48	50	45	47
30	68	66	67	59	57	58	50	46	48	50	47	49	51	46	49	50	45	48
31				58	56	57				50	47	49	51	46	49			

NR - No Record

TABLE D-8 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

A6 1265.00 SQUIRREL CREEK NEAR PENN VALLEY

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25°C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	93	91	92	145	140	145	160	160	160	155	150	150	NR	NR	NR	160	155	155
2	94	92	93	150	145	150	165	160	165	155	150	155	67	47	56	155	150	150
3	95	93	94	155	150	150	165	120	155	160	155	160	70	40	59	155	150	155
4	96	95	95	155	150	155	145	125	135	165	160	165	96	70	89	160	155	160
5	96	96	96	155	150	150	155	145	150	165	165	165	105	88	96	160	155	160
6	98	96	97	155	150	150	170	155	165	165	60	90	115	105	110	155	145	150
7	99	98	99	155	135	150	175	170	175	100	59	80	120	115	115	145	74	95
8	100	99	100	150	145	150	170	165	165	93	49	69	115	60	85	95	62	78
9	100	98	99	150	150	150	165	160	165	130	93	115	72	41	55	120	95	110
10	105	99	100	155	150	150	160	160	160	150	130	140	86	46	66	130	120	125
11	100	100	100	155	150	155	165	160	160	150	150	150	110	86	100	140	130	135
12	100	98	98	155	150	155	165	160	160	160	155	155	115	33	87	145	140	145
13	99	96	97	160	150	155	165	155	160	165	160	160	70	36	48	145	130	140
14	98	96	97	160	155	155	160	155	155	165	165	165	88	70	78	135	105	125
15	98	96	97	160	150	155	160	155	160	165	165	165	105	88	97	125	72	115
16	96	94	95	150	145	150	160	155	155	165	165	165	115	105	110	105	60	84
17	100	96	99	150	150	150	165	155	160	170	165	165	120	115	120	125	105	115
18	105	100	100	155	150	155	165	160	165	170	170	170	125	120	125	130	125	125
19	105	105	105	160	155	155	160	160	160	175	170	170	125	81	110	130	70	110
20	105	105	105	160	155	160	165	155	160	170	170	170	110	84	100	120	92	110
21	105	105	105	160	135	150	165	160	160	175	170	170	120	110	115	125	43	105
22	105	105	105	155	140	150	165	155	160	175	175	175	130	120	125	98	50	78
23	110	105	105	160	155	155	160	155	160	175	175	175	135	130	135	115	98	110
24	110	110	110	160	155	160	165	160	160	180	175	180	140	135	135	115	43	100
25	125	110	115	170	140	150	165	160	165	180	180	180	140	140	140	82	40	60
26	120	115	120	145	135	140	165	160	160	180	180	180	145	140	145	105	82	96
27	120	115	120	150	145	145	160	85	150	180	175	180	150	145	150	115	105	115
28	135	115	125	170	150	160	110	73	96	175	175	175	155	150	150	120	115	115
29	130	120	125	170	165	165	135	96	120	175	170	175				125	120	125
30	130	130	130	165	160	160	145	135	140	175	170	175				130	125	130
31	145	125	135				150	145	150	NR	NR	NR				130	130	130

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	135	130	135	145	140	140	135	130	135	115	110	110	94	90	92	96	95	95
2	135	135	135	145	135	140	130	115	120	110	105	110	91	88	90	95	94	94
3	140	135	140	140	135	140	120	115	120	105	105	105	91	89	90	97	95	96
4	140	110	130	140	135	135	120	120	120	110	105	105	94	91	92	98	95	97
5	110	68	84	140	135	140	125	120	125	105	105	105	96	94	94	99	97	98
6	90	71	82	140	135	140	125	120	125	110	105	105	96	94	95	100	99	99
7	96	80	88	145	140	145	120	115	120	110	105	110	95	91	93	100	99	99
8	99	82	93	150	145	145	120	115	120	110	105	105	92	89	90	99	97	98
9	110	86	105	145	135	140	120	115	115	105	105	105	90	87	89	98	97	98
10	120	105	115	140	135	140	115	110	115	110	105	105	93	89	91	98	95	96
11	135	120	130	140	140	140	115	110	110	110	105	105	93	92	92	96	95	95
12	140	135	140	140	130	135	110	110	110	105	105	105	95	92	94	95	94	94
13	145	140	145	135	130	135	115	110	115	105	105	105	96	94	95	96	92	93
14	145	140	145	135	130	130	115	110	115	110	105	105	96	95	96	93	90	92
15	140	140	140	135	130	135	110	105	110	110	105	110	97	95	96	93	89	91
16	140	140	140	135	125	130	110	105	105	110	105	105	97	96	96	95	92	94
17	145	135	140	125	125	125	105	105	105	105	100	105	97	95	96	98	94	96
18	140	135	135	125	125	125	105	100	105	110	110	100	99	95	97	99	93	96
19	140	135	140	130	120	125	105	100	100	110	110	110	101	99	100	93	91	92
20	145	140	140	120	120	120	105	105	105	115	110	110	101	96	98	94	91	93
21	145	140	145	120	120	120	105	105	105	120	115	115	96	92	94	94	92	93
22	150	140	145	125	120	120	110	105	110	115	115	115	96	94	95	94	90	92
23	145	140	145	130	125	125	110	105	110	115	115	115	96	95	95	93	91	92
24	145	105	135	135	130	130	115	110	110	115	110	115	97	95	96	94	91	93
25	130	105	120	140	135	135	110	105	105	115	110	110	99	96	98	94	92	93
26	140	130	135	135	125	130	110	105	110	115	110	110	99	98	98	93	91	92
27	140	135	140	130	130	130	120	110	115	110	105	105	99	97	98	93	91	92
28	140	135	140	135	135	135	120	115	115	105	99	100	99	98	98	93	85	90
29	145	135	140	135	130	130	120	115	115	100	97	98	99	97	98	98	91	95
30	140	140	140	140	135	135	115	110	115	98	94	96	97	95	96	92	89	90
31				140	135	140				94	92	93	97	94	96			

TABLE D-8 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

A8 1120.00 CACHIE CREEK NEAR CARAY

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	430	420	420	640	620	630	850	850	850	1,180	1,110	1,140	1,050	900	1,010	690	680	685
2	440	430	440	650	640	640	850	850	850	1,110	1,050	1,080	900	440	570	700	690	695
3	450	440	450	680	650	670	850	810	830	1,050	1,050	1,050	580	420	510	715	700	705
4	460	450	460	700	680	690	1,040	850	940	1,050	1,050	1,050	600	500	550	740	715	730
5	470	460	460	700	700	700	1,150	900	1,040	1,050	1,050	1,050	555	495	520	740	740	740
6	470	470	470	720	700	710	990	910	960	1,060	1,050	1,050	650	555	600	740	730	735
7	480	470	470	720	720	720	1,070	980	1,020	1,060	1,060	1,060	700	470	610	830	775	610
8	480	480	480	720	720	720	1,070	1,000	1,050	1,250	1,060	1,190	470	350	420	370	250	310
9	480	480	480	740	730	730	1,000	950	980	1,250	1,140	1,180	350	265	300	420	370	400
10	480	480	480	750	730	730	960	940	950	1,250	1,060	1,150	360	290	320	470	380	450
11	480	480	480	750	740	750	940	930	940	1,060	1,050	1,050	465	360	410	380	280	300
12	490	480	490	750	750	750	930	920	930	1,080	1,060	1,070	490	350	440	310	300	305
13	490	490	490	760	750	760	930	920	920	1,060	1,050	1,050	405	250	290	315	310	310
14	500	490	500	770	760	770	920	920	920	1,050	1,040	1,050	405	310	360	360	315	330
15	500	500	500	780	770	780	920	920	920	1,050	1,040	1,040	480	405	440	390	360	375
16	500	500	500	790	780	790	950	920	930	1,040	1,020	1,030	540	480	510	470	390	430
17	510	500	500	790	790	790	960	950	960	1,020	1,020	1,020	580	540	560	480	310	440
18	520	510	520	800	790	790	960	950	960	1,030	1,020	1,020	620	580	600	390	265	315
19	520	520	520	810	800	800	950	940	940	1,040	1,030	1,030	660	620	640	300	275	290
20	530	520	540	810	810	810	940	930	930	1,050	1,040	1,050	650	510	580	310	295	300
21	560	550	560	810	810	810	950	930	930	1,070	1,050	1,060	510	500	500	310	255	295
22	560	560	560	820	810	820	1,000	950	980	1,070	1,060	1,070	540	510	530	300	210	260
23	560	560	560	830	820	820	1,000	1,000	1,000	1,060	1,050	1,060	580	540	560	320	300	310
24	560	560	560	840	830	840	1,040	1,000	1,020	1,050	1,050	1,050	610	580	600	320	320	320
25	560	560	560	840	840	840	1,040	1,040	1,040	1,050	1,050	1,050	640	610	625	320	280	300
26	570	560	570	840	840	840	1,040	1,040	1,040	1,060	1,050	1,050	660	630	645	300	280	290
27	570	570	570	840	840	840	1,040	1,010	1,030	1,060	1,060	1,060	660	660	660	300	300	300
28	580	570	570	850	840	850	1,070	980	1,020	1,070	1,060	1,070	680	660	670	300	280	280
29	590	580	590	850	850	850	1,110	1,060	1,100	1,070	1,070	1,070				305	300	300
30	600	590	600	850	850	850	1,140	1,110	1,120	1,070	1,060	1,070				310	305	305
31	620	600	610				1,210	1,100	1,180	1,060	1,050	1,060				310	310	310

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	300	295	295	515	430	480	310	310	310	300	175	280	300	285	290	NR	NR	NR
2	295	295	295	460	430	455	310	310	310	300	250	290	300	285	290	NR	NR	NR
3	295	295	295	450	420	430	320	310	310	425	175	300	300	305	290	NR	NR	NR
4	300	295	295	420	420	420	310	310	310	325	200	305	340	300	310	NR	NR	NR
5	300	300	300	420	420	420	320	310	310	325	315	320	340	290	310	NR	NR	NR
6	300	300	300	420	420	420	320	310	320	330	315	325	310	295	300	NR	NR	NR
7	300	300	300	440	410	420	320	320	320	335	325	330	NR	NR	NR	NR	NR	NR
8	300	300	300	410	390	400	320	300	310	325	310	315	NR	NR	NR	NR	NR	NR
9	335	300	310	390	390	390	300	290	295	315	295	310	NR	NR	NR	NR	NR	NR
10	540	335	460	390	380	380	290	290	290	310	300	305	NR	NR	NR	NR	NR	NR
11	655	540	610	380	380	380	290	290	290	310	295	305	NR	NR	NR	NR	NR	NR
12	680	655	670	380	370	370	NR	NR	NR	310	290	300	NR	NR	NR	NR	NR	NR
13	700	680	690	370	370	370	NR	NR	NR	310	290	300	NR	NR	NR	NR	NR	NR
14	710	700	710	370	370	370	NR	NR	NR	305	295	300	NR	NR	NR	NR	NR	NR
15	720	710	710	370	370	370	NR	NR	NR	310	270	285	NR	NR	NR	NR	NR	NR
16	730	720	720	370	370	370	NR	NR	NR	295	280	290	NR	NR	NR	NR	NR	NR
17	730	450	660	370	360	360	NR	NR	NR	300	295	300	NR	NR	NR	NR	NR	NR
18	450	350	390	360	350	350	NR	NR	NR	320	300	310	NR	NR	NR	NR	NR	NR
19	350	340	345	350	350	350	NR	NR	NR	320	300	310	NR	NR	NR	NR	NR	NR
20	350	350	460	350	350	350	NR	NR	NR	320	300	310	NR	NR	NR	NR	NR	NR
21	680	550	640	355	350	355	NR	NR	NR	320	295	300	NR	NR	NR	NR	NR	NR
22	720	680	700	355	355	355	NR	NR	NR	305	285	295	NR	NR	NR	NR	NR	NR
23	750	720	735	355	350	355	NR	NR	NR	300	285	295	NR	NR	NR	NR	NR	NR
24	760	750	750	350	350	350	NR	NR	NR	300	285	295	NR	NR	NR	NR	NR	NR
25	750	670	710	350	350	350	NR	NR	NR	300	280	290	NR	NR	NR	NR	NR	NR
26	670	600	650	360	350	355	NR	NR	NR	295	280	290	NR	NR	NR	500	365	380
27	600	590	600	360	360	360	305	295	300	300	280	290	NR	NR	NR	385	370	380
28	590	560	570	360	350	350	310	290	300	300	285	290	NR	NR	NR	445	245	380
29	570	540	560	350	320	335	305	290	300	300	285	290	NR	NR	NR	455	365	380
30	540	500	520	320	310	315	305	290	295	305	285	290	NR	NR	NR	390	270	370
31				310	310	310				300	290	290	NR	NR	NR			

NR = No Record

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

80 2105.00 MOKELIMNE RIVER AT WOODBRIDGE

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	46	46	46	43	43	43	41	41	41	NR	NR	NR	46	46	46	46	45	45
2	46	46	46	43	43	43	41	41	41	43	43	43	46	46	46	45	45	45
3	46	46	46	43	43	43	41	41	41	43	43	43	46	46	46	45	45	45
4	46	46	46	43	43	43	41	41	41	43	43	43	46	46	46	45	44	44
5	46	46	46	43	43	43	41	41	41	43	43	43	46	46	46	46	45	45
6	46	46	46	43	42	42	41	41	41	43	43	43	53	48	51	46	46	46
7	46	46	46	42	42	42	41	41	41	43	43	43	53	49	51	46	46	46
8	46	45	45	42	42	42	41	41	41	43	43	43	49	48	46	46	46	46
9	45	45	45	42	42	42	41	41	41	43	43	43	48	46	47	46	46	46
10	45	45	45	42	42	42	42	41	41	43	43	43	69	44	55	46	46	46
11	45	45	45	42	42	42	42	42	42	43	43	43	78	69	74	46	45	45
12	45	45	45	42	42	42	42	42	42	43	43	43	78	73	76	45	45	45
13	45	45	45	42	42	42	42	42	42	43	43	43	73	58	66	45	43	43
14	45	45	45	42	42	42	42	42	42	43	43	43	58	53	54	43	43	43
15	45	44	44	42	42	42	42	42	42	43	43	43	71	53	59	45	43	43
16	44	44	44	42	42	42	42	42	42	43	43	43	73	66	71	57	43	50
17	44	44	44	42	42	42	42	42	42	43	43	43	66	51	56	44	44	44
18	44	44	44	42	42	42	NR	NR	NR	43	43	43	51	47	49	44	41	43
19	44	44	44	42	42	42	NR	NR	NR	43	43	43	47	46	46	41	41	41
20	44	44	44	42	42	42	NR	NR	NR	43	43	43	46	45	46	41	41	41
21	44	44	44	42	42	42	NR	NR	NR	43	43	43	45	45	45	41	41	41
22	44	44	44	42	41	41	NR	NR	NR	43	43	43	45	45	45	41	41	41
23	44	44	44	41	41	41	NR	NR	NR	43	43	43	46	45	45	42	41	41
24	44	44	44	41	41	41	NR	NR	NR	43	43	43	46	46	46	42	42	42
25	44	43	43	41	41	41	NR	NR	NR	43	43	43	46	46	46	42	42	42
26	43	43	43	41	41	41	NR	NR	NR	46	43	46	46	46	46	42	42	42
27	43	43	43	41	41	41	NR	NR	NR	46	46	46	46	45	46	42	42	42
28	43	43	43	41	41	41	NR	NR	NR	46	46	46	45	45	45	42	42	42
29	43	43	43	41	41	41	NR	NR	NR	46	46	46				42	42	42
30	43	43	43	41	41	41	NR	NR	NR	46	46	46				42	42	42
31	43	43	43				NR	NR	NR	46	46	46				42	42	42

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	42	42	42	46	46	46	48	48	48	48	48	48	47	47	47	45	45	45
2	42	42	42	46	46	46	48	48	48	48	47	47	47	47	47	45	45	45
3	42	42	42	46	46	46	48	48	48	47	47	47	47	47	47	45	45	45
4	43	42	42	46	46	46	48	47	47	47	47	47	47	47	47	45	45	45
5	43	43	43	46	46	46	47	47	47	47	46	47	47	47	47	45	45	45
6	43	43	43	46	46	46	47	47	47	46	46	46	47	47	47	46	45	46
7	43	43	43	46	46	46	47	47	47	46	46	46	47	47	47	46	46	46
8	45	43	43	46	46	46	47	47	47	46	46	46	47	47	47	46	46	46
9	45	45	45	46	46	46	47	47	47	46	46	46	47	47	47	46	46	46
10	45	45	45	46	46	46	47	47	47	46	46	46	47	47	47	46	46	46
11	45	45	45	46	46	46	47	47	47	46	46	46	47	47	47	47	47	47
12	45	45	45	46	46	46	47	47	47	46	46	46	47	47	47	47	47	47
13	45	45	45	46	46	46	47	47	47	46	46	46	47	47	47	47	47	47
14	46	45	46	46	46	46	48	47	47	46	46	46	46	46	46	47	47	47
15	46	46	46	46	46	46	48	48	48	46	46	46	46	46	46	47	47	47
16	46	46	46	46	46	46	48	48	48	46	46	46	46	46	46	47	47	47
17	46	46	46	46	46	46	48	48	48	46	46	46	46	46	46	47	47	47
18	46	46	46	46	46	46	48	48	48	46	46	46	46	46	46	47	46	46
19	46	46	46	46	46	46	48	48	48	46	46	46	46	46	46	47	46	46
20	46	46	46	47	46	47	49	49	49	46	46	46	46	46	46	46	46	46
21	46	46	46	47	47	47	49	49	49	46	46	46	46	46	46	46	46	46
22	46	46	46	47	47	47	49	49	49	46	46	46	46	45	45	46	46	46
23	46	46	46	47	47	47	49	49	49	46	46	46	46	45	45	46	46	46
24	46	46	46	48	47	47	49	49	49	46	46	46	46	45	45	46	46	46
25	46	46	46	48	48	48	49	49	49	46	46	46	46	45	45	46	46	46
26	46	46	46	48	48	48	49	49	49	46	46	46	45	44	44	46	46	46
27	46	46	46	48	48	48	49	49	49	46	46	46	44	44	44	46	46	46
28	46	46	46	48	48	48	49	48	48	46	46	46	44	44	44	46	46	46
29	46	46	46	48	48	48	48	48	48	46	46	46	44	44	44	46	46	46
30	46	46	46	48	48	48	48	48	48	46	46	46	45	44	44	46	46	46
31				48	48	48				47	46	46	45	45	45			

NR - No Record

TABLE D-8 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

81 1150.00 COSUMNES RIVER AT MICHIGAN BAR

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	81	77	79	79	71	74	82	82	82	113	109	111	94	87	90	80	76	78
2	82	77	80	83	74	77	84	82	83	109	107	109	108	81	95	79	70	73
3	82	77	80	81	74	77	107	82	91	111	107	109	113	96	105	70	68	69
4	82	77	80	81	76	78	114	90	104	110	107	109	119	93	110	68	67	68
5	81	77	80	80	77	78	90	74	79	110	101	104	110	105	108	74	68	70
6	82	77	80	94	77	81	76	73	75	116	99	105	113	111	112	78	72	74
7	82	76	80	98	77	92	80	76	78	128	102	111	119	113	115	74	63	70
8	81	76	79	91	80	84	85	80	82	120	95	106	117	111	114	64	57	61
9	81	76	78	93	88	85	87	85	85	95	85	88	111	59	79	66	62	64
10	78	76	77	90	80	84	89	87	88	90	85	87	75	63	69	69	66	67
11	79	75	77	84	80	82	92	89	91	93	90	92	84	75	79	71	69	70
12	78	75	76	83	81	82	95	92	93	94	93	93	93	84	86	71	71	71
13	81	75	77	85	81	83	96	95	96	95	94	95	94	83	91	84	70	76
14	81	67	77	86	82	84	96	94	95	96	95	96	86	84	85	94	84	90
15	83	76	79	86	82	83	94	91	92	96	96	96	86	84	85	100	94	95
16	85	80	82	84	84	84	93	92	93	96	96	96	87	86	86	101	86	92
17	85	72	84	84	84	84	95	93	94	96	94	95	87	86	87	92	92	92
18	85	72	79	85	84	90	95	94	94	94	94	94	89	87	88	92	92	92
19	78	74	77	96	94	95	94	92	93	94	94	94	110	89	97	92	90	91
20	78	76	77	95	89	92	94	92	93	94	92	93	104	84	93	90	82	84
21	76	75	75	89	89	89	94	92	94	93	91	92	84	84	84	92	77	81
22	76	74	75	96	82	90	94	94	94	91	89	90	85	83	84	92	76	81
23	77	74	75	82	78	79	94	92	93	90	88	89	86	85	85	86	84	85
24	78	73	75	78	75	76	92	89	91	88	87	88	86	86	86	92	86	89
25	77	73	75	77	75	76	93	89	91	88	87	88	86	86	86	89	52	62
26	77	72	74	78	77	77	98	92	95	88	87	88	86	86	86	62	58	60
27	100	72	78	78	76	77	97	94	96	88	86	87	86	83	84	62	61	62
28	75	73	74	79	77	78	112	96	101	86	85	85	83	80	81	62	61	62
29	78	71	74	90	79	80	112	102	108	85	85	85				62	62	62
30	73	71	72	82	80	81	112	102	107	87	85	86				64	62	63
31	74	70	71				109	107	108	88	86	87				64	62	63

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	62	60	61	50	49	50	32	32	32	48	48	48	60	60	60	65	63	64
2	62	60	61	50	48	49	32	32	32	48	48	48	60	60	60	66	64	65
3	62	62	62	48	46	47	32	32	32	48	48	48	60	59	60	68	63	65
4	85	62	68	47	46	46	33	32	33	49	48	48	60	59	60	66	62	64
5	88	77	81	46	46	46	33	33	33	49	48	48	60	59	60	66	64	65
6	78	78	78	47	46	46	33	33	33	49	48	48	60	60	60	68	64	65
7	80	78	79	47	47	47	34	32	33	49	48	48	62	60	60	70	64	66
8	82	80	81	47	46	47	33	32	33	50	49	49	62	60	61	71	67	69
9	80	78	79	46	44	45	34	33	34	50	49	49	62	61	61	71	66	69
10	78	77	77	44	41	42	35	34	34	50	50	50	64	61	62	74	68	71
11	77	77	77	41	40	40	35	35	35	50	50	50	64	64	64	74	68	71
12	77	74	75	40	38	39	35	35	35	51	50	50	64	63	64	74	69	71
13	74	73	74	38	36	37	36	35	35	52	51	51	64	63	63	72	67	70
14	74	71	73	36	34	35	36	36	36	53	52	52	64	62	63	70	67	69
15	74	68	71	35	33	34	36	36	36	54	53	53	64	62	63	72	62	68
16	68	68	66	36	35	35	37	36	36	54	52	53	64	62	63	74	60	68
17	68	68	68	36	35	36	38	37	37	56	53	54	65	63	64	72	61	67
18	68	67	67	35	33	34	39	38	38	55	55	55	70	64	67	76	63	70
19	68	68	68	33	32	33	40	39	39	56	54	55	70	65	67	78	65	73
20	68	68	68	34	33	33	41	40	40	55	55	55	66	62	63	79	62	71
21	68	66	67	36	34	35	42	41	42	56	55	56	62	58	60	76	62	69
22	66	61	64	38	36	37	43	42	42	57	56	56	59	58	59	76	61	70
23	61	60	60	38	37	37	44	43	44	57	56	56	61	59	60	78	60	70
24	66	59	63	37	36	36	44	44	44	57	57	57	63	61	61	76	57	68
25	64	50	54	36	34	35	44	44	44	57	56	57	63	62	62	76	58	68
26	50	50	50	35	34	34	45	44	44	57	56	56	62	62	62	74	57	65
27	50	50	50	34	34	34	46	45	46	57	57	57	64	62	63	65	46	56
28	50	50	50	34	33	34	46	46	46	58	57	58	64	62	63	63	46	56
29	50	50	50	34	32	32	47	46	46	60	58	59	64	62	63	61	45	54
30	50	49	49	34	32	33	48	47	48	60	60	60	64	63	63	62	45	54
31				32	32	32				61	60	60	66	63	64			

TABLE D-8 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

B9 D 747.. 116.4 SAN JOAQUIN RIVER AT MOSSALE BRIDGE

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	NR	NR	NR	370	350	360	600	390	480	440	390	410	570	530	550
2	NR	NR	NR	NR	NR	NR	350	330	340	430	390	400	470	390	430	600	570	590
3	NR	NR	NR	NR	NR	NR	330	330	330	620	430	530	570	470	530	590	530	560
4	NR	NR	NR	NR	NR	NR	330	300	310	630	370	480	730	570	670	600	540	570
5	NR	NR	NR	NR	NR	NR	370	310	340	390	340	360	710	320	460	600	480	520
6	NR	NR	NR	NR	NR	NR	380	360	370	410	380	390	320	260	290	520	470	490
7	NR	NR	NR	NR	NR	NR	360	300	320	600	410	510	290	250	260	520	470	490
8	NR	NR	NR	NR	NR	NR	320	310	310	620	350	460	250	250	250	510	490	500
9	NR	NR	NR	NR	NR	NR	330	320	330	380	340	360	290	250	280	500	460	470
10	NR	NR	NR	NR	NR	NR	340	330	330	390	350	370	340	290	320	490	440	470
11	NR	NR	NR	NR	NR	NR	330	330	330	390	340	360	350	340	350	450	430	440
12	NR	NR	NR	NR	NR	NR	340	330	340	380	340	360	350	320	340	430	390	400
13	NR	NR	NR	420	410	420	360	340	350	380	330	360	330	280	310	400	380	390
14	NR	NR	NR	440	420	430	370	360	360	510	370	440	280	240	260	430	390	410
15	NR	NR	NR	430	420	420	380	370	380	510	310	390	270	240	250	430	380	410
16	NR	NR	NR	440	420	430	380	360	380	340	300	330	300	270	290	400	380	390
17	NR	NR	NR	420	400	410	390	380	380	350	310	320	320	300	310	380	360	370
18	NR	NR	NR	410	400	400	440	390	420	360	320	340	370	320	350	390	360	370
19	NR	NR	NR	400	400	400	450	440	450	400	370	360	400	370	380	400	380	390
20	NR	NR	NR	400	390	400	460	450	460	420	370	380	400	370	380	380	360	370
21	NR	NR	NR	430	400	410	460	450	460	620	420	530	390	370	380	370	350	360
22	470	470	470	440	430	430	460	440	450	630	390	480	390	380	380	380	360	360
23	470	390	440	430	430	430	550	460	520	420	380	400	400	360	380	380	350	360
24	390	330	360	440	430	430	610	550	590	420	370	400	430	400	420	390	350	370
25	330	320	330	430	400	420	610	520	580	450	400	420	490	430	460	390	350	370
26	330	320	320	400	380	390	520	440	490	470	420	440	490	400	430	350	320	330
27	330	310	320	380	360	370	590	450	520	520	470	490	450	400	420	330	310	320
28	340	330	330	360	360	360	600	410	500	730	520	630	530	450	480	320	310	310
29	350	320	340	370	360	360	420	380	400	730	430	540				310	300	310
30	NR	NR	NR	380	360	370	440	400	420	450	400	430				320	300	310
31	NR	NR	NR				600	430	520	450	390	420				330	310	320

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	380	330	350	690	640	670	320	260	300	680	640	670	700	640	680	675	590	630
2	400	380	380	700	680	690	260	230	240	730	600	700	730	690	710	620	590	605
3	460	400	470	750	690	720	230	190	210	700	700	730	740	705	725	620	585	605
4	510	460	480	740	510	650	190	180	190	790	735	760	770	675	730	620	580	600
5	540	510	530	510	440	480	210	180	190	750	690	725	770	710	745	640	590	610
6	540	530	540	450	430	440	220	210	210	760	690	730	765	720	745	615	550	585
7	540	500	530	450	430	440	210	190	200	730	660	700	750	705	730	550	440	495
8	500	480	490	440	400	420	200	180	190	710	670	690	720	675	695	550	440	495
9	490	390	430	430	400	410	210	200	200	740	650	690	705	650	685	440	380	395
10	400	380	390	420	400	400	200	160	180	720	650	680	710	650	680	420	400	410
11	390	370	380	470	410	440	180	160	170	730	700	720	665	650	660	430	420	425
12	380	360	370	460	430	440	200	180	190	810	730	750	660	640	650	NR	NR	NR
13	420	380	400	470	420	440	220	200	210	810	740	770	670	630	640	NR	NR	NR
14	440	420	430	470	390	420	220	170	200	810	710	740	680	660	670	NR	NR	NR
15	460	440	450	430	390	410	170	150	160	770	740	760	715	660	690	NR	NR	NR
16	510	460	480	420	390	400	170	160	170	840	760	800	720	685	705	NR	NR	NR
17	570	510	540	400	380	390	160	150	150	830	750	790	730	700	715	NR	NR	NR
18	590	570	580	380	360	370	150	150	150	850	760	790	710	620	670	NR	NR	NR
19	610	580	600	360	340	350	170	150	160	810	740	775	620	540	570	NR	NR	NR
20	620	580	600	340	340	340	250	170	210	770	720	740	540	460	500	430	410	420
21	580	520	550	340	320	330	360	210	290	760	690	720	495	455	475	410	390	400
22	540	520	520	330	320	320	430	360	400	820	670	720	525	495	515	420	410	410
23	590	540	570	340	320	330	480	430	460	860	780	820	530	520	525	420	400	410
24	590	580	580	350	330	340	520	480	500	780	755	765	525	510	520	410	390	400
25	630	590	610	350	310	340	530	510	520	760	690	730	525	505	515	390	380	380
26	640	620	630	330	320	320	570	530	550	690	650	670	595	525	560	380	370	380
27	660	620	640	320	300	310	600	570	590	705	675	695	640	595	620	NR	NR	NR
28	620	590	610	320	310	310	650	600	630	705	650	675	625	600	615	NR	NR	NR
29	600	590	600	330	320	320	650	620	640	725	665	705	630	620	625	NR	NR	NR
30	640	600	630	320	310	320	660	620	640	740	690	720	665	630	650	NR	NR	NR
31				330	310	320				720	665	690	680	650	670			

NR - No Record

TABLE D-8 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

B9 D 757.8 121.9 STOCKTON SHIP CHANNEL AT BURNS CUTOFF

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	410	400	410	370	340	355	370	310	355	450	400	430	530	480	510	415	415	415
2	415	410	410	340	330	335	375	320	350	450	400	430	485	440	465	440	415	425
3	420	410	415	NR	NR	NR	380	340	360	500	450	470	440	430	435	490	440	460
4	415	405	410	NR	NR	NR	370	320	350	500	470	480	430	400	420	530	470	495
5	410	405	410	NR	NR	NR	350	310	330	480	460	470	490	420	450	530	510	520
6	430	410	420	NR	NR	NR	330	240	310	510	460	480	580	470	520	540	530	535
7	430	420	425	NR	NR	NR	360	280	325	490	460	480	560	350	430	555	520	540
8	430	420	425	NR	NR	NR	370	260	355	480	460	470	360	280	330	530	480	510
9	450	430	440	NR	NR	NR	340	300	320	490	470	480	280	260	270	480	470	490
10	460	440	450	NR	NR	NR	320	280	310	500	450	475	300	260	280	430	380	400
11	470	450	460	NR	NR	NR	340	300	320	480	430	460	295	270	280	400	360	380
12	480	460	475	NR	NR	NR	340	280	320	430	400	415	310	290	305	400	380	370
13	500	480	485	NR	NR	NR	330	270	320	400	380	390	315	290	305	410	330	370
14	530	490	510	NR	NR	NR	340	310	325	390	380	385	290	250	270	375	320	320
15	520	490	505	NR	NR	NR	350	310	330	390	380	385	250	220	235	350	230	310
16	490	450	470	NR	NR	NR	360	320	340	400	380	390	245	235	235	370	240	320
17	460	450	450	NR	NR	NR	370	280	350	450	400	430	270	240	255	340	240	300
18	480	455	465	NR	NR	NR	390	360	375	400	365	380	300	260	280	340	220	310
19	510	480	495	NR	NR	NR	390	310	370	370	350	360	350	300	320	330	220	280
20	520	500	510	410	340	390	415	360	390	360	350	355	365	340	350	360	240	320
21	500	485	490	400	350	375	440	400	420	365	355	360	380	365	375	340	260	310
22	510	490	500	410	310	380	450	390	425	375	365	365	370	360	365	340	220	300
23	530	505	520	400	360	390	450	390	430	470	470	410	370	340	355	310	210	270
24	525	515	520	420	370	390	450	380	420	480	410	450	370	310	350	300	205	250
25	520	465	500	425	310	380	460	380	420	450	420	440	375	325	360	320	180	250
26	480	390	430	430	300	400	490	390	330	420	405	410	405	360	380	330	210	270
27	395	365	380	420	310	390	490	400	440	410	400	405	435	400	415	270	180	230
28	365	355	360	420	370	390	510	420	460	425	410	420	430	405	420	280	180	230
29	365	355	360	400	340	380	510	450	475	450	425	430	NR	NR	NR	NR	NR	NR
30	380	355	370	390	320	370	530	420	480	510	450	470	NR	NR	NR	NR	NR	NR
31	390	360	375	NR	NR	NR	490	400	450	570	505	530	NR	NR	NR	NR	NR	NR

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	530	515	525	NR	NR	NR	455	405	425	NR	NR	NR	NR	NR	NR
2	NR	NR	NR	570	520	550	NR	NR	NR	470	425	450	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	540	530	535	NR	NR	NR	485	440	470	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	560	530	540	NR	NR	NR	485	435	460	NR	NR	NR	NR	NR	NR
5	395	360	375	560	535	540	NR	NR	NR	490	440	470	NR	NR	NR	NR	NR	NR
6	NR	NR	NR	580	550	565	NR	NR	NR	505	450	480	NR	NR	NR	NR	NR	NR
7	NR	NR	NR	575	520	555	NR	NR	NR	530	450	500	NR	NR	NR	NR	NR	NR
8	475	440	460	545	485	520	NR	NR	NR	520	465	495	NR	NR	NR	590	570	580
9	485	455	470	520	460	480	NR	NR	NR	NR	NR	NR	NR	NR	NR	600	575	585
10	470	465	465	475	450	465	NR	NR	NR	NR	NR	NR	NR	NR	NR	595	580	596
11	465	405	430	460	420	445	NR	NR	NR	NR	NR	NR	NR	NR	NR	605	585	595
12	415	375	395	445	425	435	NR	NR	NR	NR	NR	NR	NR	NR	NR	610	590	600
13	390	370	380	435	410	420	NR	NR	NR	NR	NR	NR	NR	NR	NR	610	590	600
14	375	355	365	425	415	415	NR	NR	NR	NR	NR	NR	NR	NR	NR	600	560	580
15	360	350	355	430	420	425	NR	NR	NR	NR	NR	NR	NR	NR	NR	585	535	565
16	390	350	370	450	440	425	NR	NR	NR	NR	NR	NR	NR	NR	NR	540	515	540
17	410	390	400	430	395	410	175	165	170	NR	NR	NR	NR	NR	NR	535	510	525
18	455	410	430	425	390	405	180	165	170	NR	NR	NR	NR	NR	NR	520	485	500
19	460	440	450	400	375	385	185	165	175	NR	NR	NR	NR	NR	NR	500	475	490
20	490	460	475	390	345	375	180	165	175	NR	NR	NR	NR	NR	NR	490	460	475
21	515	470	490	370	340	350	200	180	190	NR	NR	NR	NR	NR	NR	475	455	465
22	515	490	505	370	340	350	210	195	200	NR	NR	NR	NR	NR	NR	465	455	460
23	535	505	520	355	325	340	240	205	225	NR	NR	NR	NR	NR	NR	475	440	465
24	540	515	525	340	325	330	290	230	260	NR	NR	NR	NR	NR	NR	470	455	465
25	530	520	525	340	330	335	330	250	295	NR	NR	NR	NR	NR	NR	460	450	455
26	525	500	515	340	340	340	345	285	320	NR	NR	NR	NR	NR	NR	450	420	440
27	530	490	515	350	335	340	395	310	345	NR	NR	NR	NR	NR	NR	420	405	415
28	530	495	515	350	305	330	405	360	375	NR	NR	NR	NR	NR	NR	410	390	400
29	550	505	515	310	290	300	430	385	400	NR	NR	NR	NR	NR	NR	405	380	395
30	545	510	520	310	295	305	440	400	425	NR	NR	NR	NR	NR	NR	405	385	395
31	NR	NR	NR	310	300	305	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NR - No Record

TABLE D-9
BIOLOGICAL ANALYSIS OF SURFACE WATER

Sampler and Lab Agency Codes

- 2163 - California Department of Water Resources for State
Water Resources Control Board
- 5050 - California Department of Water Resources
- 5060 - California Department of Health

Abbreviations

- TIME - Pacific Standard Time on a 24-hour clock
- DEPTH - Depth in metres at which sample was collected
- SAMP - Sampling Agency
- LAB - Laboratory performing analysis
- < - Less than indicated value

TABLE D-9
BIOLOGICAL ANALYSIS OF SURFACE WATER

STATION NUMBER	STATION NAME	DATE	TIME	DEPTH	SAMP	PHOTOSYNTHETIC			BACTERIA			
						CHLORO- PHYLL-a	PHEO- PHYTIN	LAB.	COLIFORM	FECAL COLIFORM	FECAL STREPT	LAB.
						mg/l	mg/l		Most Probable No./100 ml			
AO 7140.10	AMERICAN RIVER AT SACRAMENTO WATER PL	08-19-74	0845		2163				23000	23	620	5060
		02-04-75	1020		2163				23000	4300	430	5060
		02-18-75	1030		2163				230	62	<4.5	5060
		03-04-75	0900		2163				620	62	4.6	5060
		03-18-75	0830		2163				620	23	230	5060
		04-08-75	0845		2163				620	6	62	5060
		04-22-75	0815		2163				620	4.5	6	5060
		05-06-75	0910		2163				62	23	6	5060
		05-20-75	0850		2163	0.0008		5050	230	4.6	62	5060
		06-10-75	0915		2163				2300	6	23	5060
		06-24-75	0900		2163	0.0007		5050	2300	230	23	5060
		07-08-75	0845		2163				620	62	23	5060
		07-22-75	0930		2163	0.0011	0.0000	5050	620	62	230	5060
		08-05-75	0900		2163				230	230	62	5060
		08-19-75	0915		2163	0.0003	0.0013	5050	6200	1300	13	5060
		09-02-75	0845		2163				620	23	<4.5	5060
		09-16-75	0900		2163	0.0020	0.0000	5050	490	50	13	5060
AO 7180.00	AMERICAN RIVER BELOW NIMBUS DAM	08-19-74	0945		2163				23000	23	21	5060
		02-04-75	0930		2163				7300	930	930	5060
		02-18-75	0930		2163				620	6	62	5060
		03-04-75	0830		2163				62	23	<4.5	5060
		03-18-75	0730		2163				62	62	23	5060
		04-08-75	0800		2163				62	23	23	5060
		04-22-75	0945		2163				230	6	<4.5	5060
		05-06-75	0820		2163				62	6	6	5060
		05-20-75	0800		2163	0.0008			620	<4.5	6	5060
		06-10-75	0815		2163				230	6	23	5060
		06-24-75	0800		2163	0.0006			62	23	<4.5	5060
		07-08-75	0800		2163				620	6	23	5060
		07-22-75	0800		2163	0.0007	0.0000	5050	23	6	6	5060
		08-05-75	0745		2163				62	6	6	5060
		08-19-75	0815		2163	0.0020	0.0016	5050	620	6	23	5060
		09-02-75	0800		2163				23	23	<4.5	5060
		09-16-75	0745		2163	0.0029	0.0000	5050	110	20	49	5060
B2 0180.01	JACKSON CREEK AT JAPUR ROAD BRIDGE	05-08-75	1340		2163				230	62		5060
B2 0185.01	JACKSON CREEK BL CITY OF JACKSON STP	05-08-75	0945		2163				2300	230		5060
B2 0190.20	JACKSON CREEK AB CITY OF JACKSON STP	05-08-75	0915		2163				23000	620		5060
B2 0190.55	JACKSON CREEK, NORTH FORK, IN JACKSON	05-08-75	1250		2163				2300	620		5060
B2 0190.70	JACKSON CREEK, SOUTH FORK, IN JACKSON	05-08-75	1040		2163				6200	23		5060
B2 0191.01	JACKSON CREEK ABOVE SF JACKSON CREEK	05-08-75	1100		2163				620	620		5060
B2 0193.01	JACKSON CREEK BELOW NEW YORK GULCH	05-08-75	1220		2163				1300	620		5060

Appendix E

GROUND WATER QUALITY DATA

This appendix presents ground water quality data collected during the period from October 1, 1974, through September 30, 1975. The data were collected from a number of major ground water sources in Northeastern California in cooperation with other State, local, and federal agencies. During the 1975 water year, 544 wells were sampled in 30 ground water basins and subbasins or subareas.

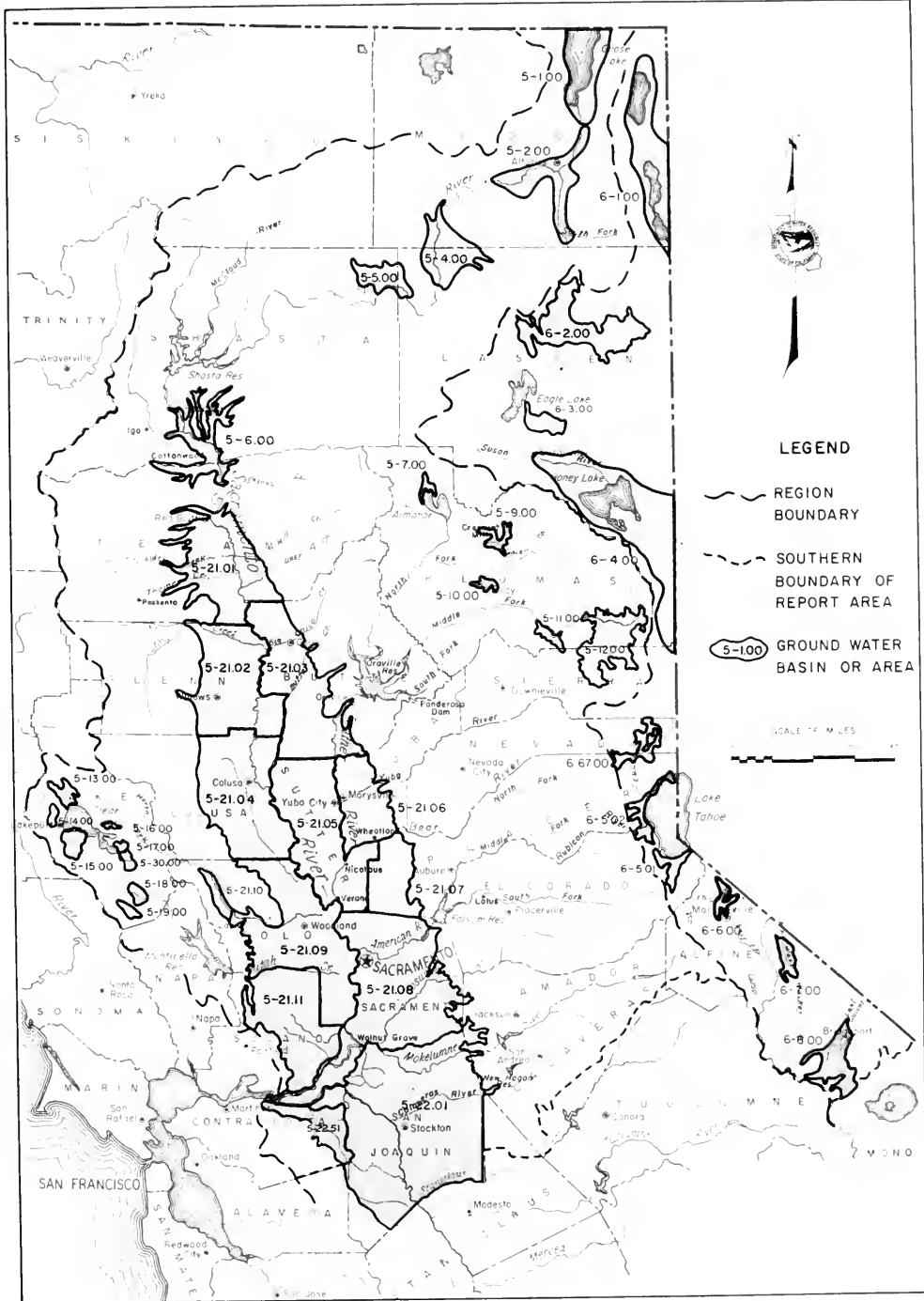
At the time of field sampling, pH and temperature measurements are normally made. Comments on current conditions are noted in field books which are available in the files of the Department of Water Resources.

Laboratory analyses of ground waters were performed in accordance with "Standard Methods for the Examination of Water and Wastewater", 14th Edition.

The Region and Basin and State Well Numbering Systems are described in Appendix C, "Ground Water Measurements", on page 239.

INDEX TO GROUND WATER QUALITY DATA
IN NORTHEASTERN CALIFORNIA

<u>Number</u>	<u>Name</u>	<u>Page</u>
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5- 2.00	Alturas Basin	385
5- 4.00	Big Valley	385, 415
5- 5.00	Fall River Valley	386, 415
5- 6.00	Redding Basin	386
5- 7.00	Lake Almanor Valley	
5- 9.00	Indian Valley	
5-10.00	American Valley	
5-11.00	Mohawk Valley	
5-12.00	Sierra Valley	
5-13.00	Upper Lake Valley	387
5-14.00	Scotts Valley	388
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5-16.00	High Valley	388
5-17.00	Burns Valley	389
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5-19.00	Collayomi Valley	389, 415
5-21.00	Sacramento Valley	
5-21.01	Tehama County	389, 415
5-21.02	Glenn County	392
5-21.03	Butte County	394
5-21.04	Colusa County	395, 415
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5-22.01	San Joaquin County	401, 417, 423
5-22.51	East Contra Costa Area	409, 420
5-30.00	Lower Lake Area	409
LAHONTAN REGION 6-00.00		
6- 1.00	Surprise Valley	410, 420
6- 2.00	Madeline Plains	411, 420
6- 3.00	Willow Creek Valley	411
6- 4.00	Honey Lake Valley	411
6- 5.00	Tahoe Valley	
6- 5.01	South Tahoe Valley	413
6- 5.02	North Tahoe Valley	
6- 6.00	Carson Valley	
6- 7.00	Topaz Valley .	
6- 8.00	Bridgeport Valley	
6-67.00	Truckee Valley	



GROUND WATER BASINS IN NORTHEASTERN CALIFORNIA

TABLE E-1
MINERAL ANALYSES OF GROUND WATER

Sampler and Lab Agency Codes

2489 - Fibreboard Corporation
4203 - City of Stockton
5050 - California Department of Water Resources
5105 - Glenn County
5110 - San Joaquin County
5701 - California Water Service Company
5999 - Unknown Agency
9597 - Nelson Lab

Abbreviations

TIME - Pacific Standard Time on a 24-hour clock
TEMP - Water temperature in degrees Fahrenheit (F) and degrees Celsius (C) at the time of field sampling
PH - Measure of acidity (<7) or alkalinity (>7) of water
EC - Electrical conductance in micromhos at 25^o Celsius
TDS - Gravimetric determination of total dissolved solids at 180^o C
SUM - Total dissolved solids by summation of analyzed constituents
TH - Total hardness
NCH - Noncarbonate hardness - any excess of total hardness over total alkalinity
SAR - Sodium adsorption ratio

Mineral Constituents

B	-	Boron	K	-	Potassium
CA	-	Calcium	MG	-	Magnesium
CL	-	Chloride	NA	-	Sodium
CO3	-	Carbonate	NO3	-	Nitrate
F	-	Fluoride	SI02	-	Silica
HCO3	-	Bicarbonate	S04	-	Sulfate

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN								MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CU	MO	CL	NO3	B	F	TUS	FM	SUM	FM	SUM			
CENTRAL VALLEY REGION GOOSE LAKE VALLEY																					
S-01																					
08/12/75 1235	5050 5050	44H/14E-07A01	M	57.0F 13.9C	7.0 8.6	750 873	73 84	26 29	38 44	1.3 1.6	19 22	29 33	27 28	20 20	8.0 8.5	10 13	-- --	400 410	291 14	1.0	
08/12/75 1310	5050	45H/13E-12L01	M	64.0F 26.5C	7.3	340	--	--	--	--	--	--	--	--	--	--	--	--	--		
08/12/75 1250	5050	45H/14E-32L01	M	72.0F 22.2C	7.1	250	--	--	--	--	--	--	--	--	--	--	--	--	--		
08/12/75 1450	5050 5050	46H/14E-32J01	M	68.0F 20.0C	6.8 6.0	205 193	--	--	--	--	0 1.0	87 1.3	--	9.0 2.7	4.9 1.0	--	--	--	60		
08/12/75 1400	5050	47H/13E-07J01	M	63.0F 17.2C	7.5	235	--	--	--	--	--	2.0	--	--	--	--	--	--	--		
08/12/75 1535	5050	47H/14E-02H01	M	64.0F 17.8C	8.3	350	--	--	--	--	--	--	--	--	--	--	--	--	--		
08/12/75 1510	5050	47H/14E-14B02	M	55.0F 12.8C	6.6	185	--	--	--	--	--	--	--	--	--	--	--	--	--		
08/12/75 1550	5050 5050	48H/14E-23K01	M	56.0F 13.3C	6.8 6.1	235 210	--	--	--	--	0 1.0	126 2.7	--	3.5 1.0	1.0 1.0	--	--	--	60		
S-02																					
ALTUNAS BASIN																					
08/14/75 1430	5050 5050	39H/13E-06A01	M	67.0F 19.4C	7.2 8.1	225 217	--	--	--	--	0 1.0	118 1.3	--	4.8 1.4	2.6 1.0	--	--	--	40		
08/14/75 1355	5050 5050	40H/12E-11F01	M	68.0F 20.0C	6.8 6.0	170 161	--	--	--	--	0 1.0	60 1.1	--	4.4 1.2	3.4 1.0	--	--	--	28		
08/14/75 1410	5050	41H/12E-25J01	M	65.0F 18.3C	7.3	520	--	--	--	--	--	--	--	--	--	--	--	--	--		
08/14/75 1315	5050 5050	41H/13E-18P01	M	65.0F 18.9C	7.3 8.4	750 653	74 51	31 35	18 25	8.0 11	223 20	138 3	7.9 3.5	2.9 2.8	2.9 1.0	1.0 1.0	--	--	484 395	313 120	0.4
08/12/75 1010	5050 5050	42H/11E-19E01	M	66.0F 21.0C	7.0 8.0	470 467	--	--	--	--	0 1.0	244 2.0	--	6.7 1.9	1.0 1.0	--	--	--	12		
08/12/75 1030	5050	42H/11E-24A01	M	66.0F 21.0C	7.3	210	--	--	--	--	--	--	--	--	--	--	--	--	--		
08/12/75 1130	5050	42H/12E-11J01	M	64.0F 17.8C	7.4	392	--	--	--	--	--	--	--	--	--	--	--	--	--		
08/14/75 1240	5050	42H/13E-31J01	M	61.0F 16.1C	7.1	580	--	--	--	--	--	--	--	--	--	--	--	--	--		
08/14/75 1255	5050	42H/13E-32G01	M	58.0F 14.4C	7.4	360	--	--	--	--	--	--	--	--	--	--	--	--	--		
S-04																					
MIG VALLEY																					
08/11/75 1520	5050 5050	37H/17E-13B01	M	66.0F 13.3C	6.9 8.3	485 446	--	--	--	--	0 1.0	184 2.9	--	16 1.5	76.0 1.2	--	--	--	138		
08/11/75 1445	5050 5050	38H/17E-02P01	M	66.0F 20.0C	7.1 8.3	565 520	--	--	--	--	0 1.0	231 3.7	--	38 1.3	12.0 1.9	--	--	--	151		

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
					CA	MG	NA	K	CO3	HCO3	SU4	CL	NO3	8	F	TDS SUM	TH NCH	SAR	
CENTRAL VALLEY REGION																			
S-04																			
08/11/75 1410	505N	38N/07E-23U01	M	07.0F 19.4C	7.1	300	--	--	--	--	--	--	--	--	--	--	--		
08/11/75 1320	505N	38N/07E-28N09	M	05.0F 16.3C	7.1	205	--	--	--	--	--	--	--	--	--	--	--		
08/11/75 1540	505N	38N/08E-17K01	M	02.0F 16.7C	7.4	238	--	--	--	--	--	--	--	--	--	--	--		
08/11/75 1500	505N	38N/08E-38N01	M	08.0F 14.4C	6.9	890	--	--	--	--	--	--	--	--	--	--	--		
08/11/75 1555	505N	38N/09E-21L01	M	06.0F 16.9C	7.5	340	--	--	--	--	--	--	--	--	--	--	--		
08/12/75 0835	505N 505N	38N/07E-13001	M	02.0F 16.7C	7.0 6.0	220 228	--	--	--	--	0 105 1.72 89	--	6.8 1.6 1.14 10	1.6 1.03 2	--	--	44		
08/12/75 0855	505N 505N	38N/08E-23A02	M	04.0F 17.4C	7.0 8.2	245 232	13 13	9.4 7.7 28	18 14 33	5.5 1.4 6	0 1.51 0.7	92 56 25	27 4.4 5	5.0 1.2 5	1.00 1.08 4	--	196 128	71 0	0.9
08/12/75 0730	505N	38N/09E-28F02	M	7.0F 21.1C	7.7	205	--	--	--	--	--	--	--	--	--	--	--		
S-05																			
FALL RIVER VALLEY																			
08/11/75 1150	505N 505N	37N/05E-01C01	M	02.0F 16.7C	6.3 6.3	225 208	18 1	6.3 24	16 32	2.7 0.7 3	0 1.00 0.9	118 1.43 69	5.4 1.1 5	3.5 1.2 5	1.00 1.02 1	--	148 111	71 0	0.8
08/11/75 0905	505N	37N/05E-17P02	M	02.0F 16.7C	7.5	525	--	--	--	--	--	--	--	--	--	--	--		
08/11/75 1105	505N	37N/05E-24F01	M	08.0F 14.4C	6.2	270	--	--	--	--	--	--	--	--	--	--	--		
08/11/75 1225	505N	37N/06E-06L01	M	08.0F 13.3C	6.0	285	--	--	--	--	--	--	--	--	--	--	--		
08/11/75 1115	505N	37N/06E-19L01	M	08.0F 14.4C	6.0	260	--	--	--	--	--	--	--	--	--	--	--		
08/11/75 0945	505N 505N	38N/03E-24F01	M	02.0F 11.1C	6.9 7.9	145 133	--	--	--	--	0 1.00 1.63 90	75 1.40 90	--	2.2 4.7 1.06 4	4.7 1.08 6	--	--	59	
08/11/75 1105	505N 505N	38N/04E-30H01	M	05.0F 12.0C	6.8 6.9	230 204	--	--	--	--	0 1.00 1.40 86	116 1.40 86	--	0.9 4.0 2.23 11	4.0 1.08 3	--	--	75	
08/11/75 1205	505N	38N/06E-31001	M	08.0F 15.5C	6.0	195	--	--	--	--	--	--	--	--	--	--	--		
S-06																			
HEADWING BASIN																			
05/27/75 1000	5050 5050	29N/03W-05G02	M	07.0F 17.4C	6.8 6.3	200 196	14 34	11 4.3	9.8 21	2.1 2	0 1.05 1.72 88	105 1.1 6	5.4 2.0 3	4.3 0.7 4	1.00 1.00 3	--	162 100	79 0	0.5
05/28/75 1145	505N	29N/04W-04K03	M	07.0F 23.3C	6.8	310	--	--	--	--	--	--	--	--	--	--	--		
05/27/75 0920	505N 5050	29N/04W-11G04	M	07.0F 17.4C	7.1 8.2	185 185	--	--	--	--	0 1.00 1.64	100 1.00 1.13	--	4.5 1.3	--	--	--	67	

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN								MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER												
				CA	MG	NA	K	CU	HCO3	SO4	CL	NO3	H	F	TUS SUM	TH NCH	SAR											
5-06		CENTRAL VALLEY REGION REDDING BASIN																										
05/27/75 1140	5050	30N/03=04401	M	66.0F 21.0C	6.9	205	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/27/75 1120	5050	30N/03=18F02	M	65.0F 18.3C	6.4	280	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/27/75 1142	5050	30N/03=34001	M	63.0F 17.2C	6.6	318	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/27/75 1200	5050	30N/04=01E01	M	66.0F 18.9C	7.0	162	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/28/75 1030	5050	30N/04=08H01	M	72.0F 22.2C	7.3	150	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/28/75 1045	5050	30N/04=15H03	M	64.0F 17.8C	7.1	295	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/27/75 0930	5050	30N/04=35H01	M	63.0F 20.5C	7.3	182	--	--	--	--	0	103	--	0	--	--	--	--	--	--	--	--	--	--	--	--	68	--
05/27/75 0945	5050	30N/04=36U01	M	65.0F 18.3C	7.0	180	--	--	--	--	0	96	--	3.2	--	--	--	--	--	--	--	--	--	--	--	--	66	--
05/27/75 1047	5050	31N/03=05J01	M	65.0F 18.3C	6.6	225	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/27/75 1310	5050	31N/03=10002	M	71.0F 21.1C	6.5	180	--	--	--	--	0	93	--	6.2	--	--	--	--	--	--	--	--	--	--	--	--	67	--
05/27/75 1315	5050	31N/03=12E01	M	65.0F 18.3C	6.4	205	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/27/75 1400	5050	31N/04=12401	M	71.0F 20.0C	7.3	365	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/28/75 0915	5050	31N/04=15H01	M	64.0F 20.5C	7.1	220	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/28/75 0935	5050	31N/04=15U03	M	71.0F 22.8C	7.0	177	--	--	--	--	0	90	--	4.5	--	--	--	--	--	--	--	--	--	--	--	--	67	--
05/28/75 0955	5050	31N/04=20J01	M	65.0F 18.9C	6.8	235	--	--	--	--	0	91	--	13	--	--	--	--	--	--	--	--	--	--	--	--	66	--
05/28/75 1015	5050	31N/05=25K01	M	68.0F 20.0C	7.3	280	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/27/75 1345	5050	32N/03=32J02	M	65.0F 18.9C	6.9	340	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/27/75 1250	5050	32N/03=35L01	M	71.0F 21.6C	6.7	245	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/28/75 0850	5050	32N/05=26M02	M	70.0F 21.1C	7.4	580	--	--	--	--	4.0	215	--	36	--	--	--	--	--	--	--	--	--	--	--	--	92	--
5-13		UPPER LAKE VALLEY																										
06/11/75 1010	5050	15N/09=07H01	M	65.0F 18.3C	6.3	295	--	--	--	--	3.0	169	--	4.2	--	--	--	--	--	--	--	--	--	--	--	--	118	--

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER										MILLIGRAMS PER LITER				
					CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	8	F	TDS SUM	TH NCH	SAR	
																			PERCENT REACTANCE VALUE
CENTRAL VALLEY REGION UPPER LAKE VALLEY																			
05/11/75 0900	535N 15N/09#-27E01	M	42.0F 27.8C	7.3 280	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/11/75 1250	535N 15N/09#-31P01	M	64.0F 17.8C	6.3 190	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/11/75 0930	505N 15N/10#-13A01	M	65.0F 19.3C	6.9 240	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/11/75 0950	505N 15N/10#-13A02	M	75.0F 21.1C	7.1 215	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/11/75 1110	505N 10N/09#-31L03	M	67.0F 19.4C	6.5 195	20 1.00 53	6.1 .50 27	8.2 .35 19	.9 .02 1	0 +00 79	.87 1.43 16	14 .29 16	2.5 .07 4	.4 .01 1	.00	--	116 95	75 4	0.4	
SCOTT VALLEY																			
05/11/75 1320	505N 14N/10#-03F01	M	65.0F 18.3C	7.1 380	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/11/75 1415	505N 14N/10#-10V02	M	64.0F 17.8C	7.1 350	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/11/75 1515	505N 14N/10#-14E03	M	61.0F 16.1C	7.0 220	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/11/75 1350	505N 14N/10#-15A01	M	56.0F 14.4C	7.0 340	34 1.70 51	14 1.15 35	10 .44 13	.7 .02 1	0 +00 74	150 2.40 20	32 .67 20	4.0 .11 3	5.7 .09 3	.10	--	191 174	144 20	0.4	
MELSEYVILLE VALLEY																			
05/12/75 0730	535N 13N/09#-05D03	M	64.0F 17.8C	6.7 555	--	--	--	--	--	--	--	5.4 .17	6.8 .11	--	--	282	--	--	
05/11/75 1205	505N 13N/09#-15001	M	75.0F 23.9C	6.3 1100	14 .70 7	107 8.40 84	19 .43 8	4.4 .11 1	0 +00 85	538 8.82 e5	.40 .00 11	.40 1.13 4	28.0 .45 4	4.40	--	540 481	474 34	0.4	
05/12/75 1155	505N 13N/09#-16U03	M	65.0F 18.3C	6.4 455	16 .90 16	47 3.47 76	9.5 .41 8	1.0 .03 1	12 .40 8	269 4.41 e8	.40 .00 15	5.4 .15 3	4.0 .06 1	.00	--	263 227	233 0	0.3	
05/12/75 1130	505N 13N/09#-17A01	M	68.0F 21.0C	6.8 480	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/12/75 1055	505N 13N/09#-18J01	M	66.0F 20.0C	7.1 295	--	--	--	--	--	--	--	9.4 .27	5.0 .08	--	--	112	--	--	
05/12/75 1215	505N 13N/09#-21F02	M	77.0F 25.0C	6.5 755	--	--	--	--	--	--	--	16 .45	2.2 .04	--	--	397	--	--	
05/12/75 1235	535N 13N/09#-22C03	M	65.0F 19.3C	7.2 605	--	--	--	--	--	--	--	11 .31	11.0 .18	--	--	332	--	--	
05/12/75 0405	505N 14N/09#-32J01	M	61.0F 15.5C	6.8 925	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
HIGH VALLEY																			
05/11/75 0400	505N 14N/08#-23K01	M	69.0F 21.5C	6.4 185	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/11/75 0730	505N 14N/08#-24H02	M	71.0F 21.1C	6.1 730	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					TDS SUM	FM NCM	SAR	
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	5102					
S 5-17 CENTRAL VALLEY REGION HUMNS VALLEY																				
06/10/75 1405	S050	13N/07W-15J02	M	67.0F 14.4C	7.3	400	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/10/75 1445	S050	13N/07W-15N01	M	66.0F 16.4C	6.4	220	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/10/75 1515	S050	13N/07W-21J02	M	66.0F 21.0C	6.8	625	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/10/75 1430	S050	13N/07W-22H03	M	64.0F 17.8C	6.8	720	51 716	33 2.54	53 2.71	1.0 2.31	9.0 .03	21.0 3.57	90 1.87	25 .71	46.0 1.06	.30	--	501 435	265 69	1.4
06/10/75 1500	S050	13N/07W-27C01	M	77.0F 25.0C	7.1	320	--	--	--	--	--	--	--	--	--	--	--	--	--	
S 5-18 COYOTE VALLEY																				
06/10/75 1445	S050 S050	11N/06W-19P02	M		7.3 504		--	--	4.6 20 3		0 .00	322 5.28	--	6.1 .17	--	--	--	--	261 0.1	
06/10/75 1530	S050 S050	11N/06W-30A02	M	62.0F 17.0C	7.3 451	13 13	50 4.11	5.9 26 5	0 .02	281 4.01	11 2.3	4.4 1.09	5.5 2 2	.20	--	--	251 229	239 8	0.2	
06/10/75 1430	S050	11N/07W-13H01	M		7.4 568		--	--	19 8.3 12		0 .00	372 6.10	--	6.6 .14	--	--	--	291 0.5		
S 5-19 COLLATONI VALLEY																				
06/10/75 1150	S050 S050	10N/07W-03L04	M	54.5F 13.3C	6.4 7.6	250 254	--	--	4.8 21 8		0 .00	136 2.43	--	2.4 .07	--	--	--	--	126 0.2	
06/10/75 1315	S050 S050	11N/07W-33J02	M	64.0F 18.0C	6.8 7.7	167 183	--	--	3.6 1.6 4		0 .00	96 1.57	--	1.9 .75	--	--	--	82 0.2		
06/10/75 1400	S050 S050	11N/07W-35E01	M		6.4 276	7.0 3.4	26 2.14	9.5 4.1 1	0 .03	101 2.04	7.5 20	3.2 3.9	2.3 .04	.00	--	--	161 139	126 0	0.4	
S 5-21 SACHEMATE VALLEY																				
S 5-21.01 TEHAMA COUNTY																				
06/02/75 1240	S050	23N/02W-04A02	M	64.0F 17.8C	6.4 420	32 347	64 1.60	16 1.47	.4 37	6.0 1.70	193 3.16	23 11	7.4 2.4	8.0 1.13	.00	--	249 213	179 11	0.5	
06/02/75 1255	S050	23N/02W-05A01	M	66.0F 20.0C	7.4 335		--	--	--	--	--	--	5.4 1.9	7.8 1.3	--	--	--	--	116	
06/02/75 1415	S050	23N/03W-27J01	M	71.0F 21.6C	7.4 325		--	--	--	--	--	--	--	--	--	--	--	--	--	
06/02/75 1425	S050	23N/03W-27J01	M	74.0F 23.3C	7.2 408		--	--	--	--	--	--	--	21 5.9	8.1 1.3	--	--	--	166	
06/02/75 1445	S050	23N/03W-35H01	M	66.0F 21.0C	7.1 240		--	--	--	--	--	--	--	--	--	--	--	--	--	
06/02/75 1705	S050	24N/03W-36A02	M	69.0F 21.5C	7.0 270		--	--	--	--	--	--	--	--	--	--	--	--	--	
06/02/75 1435	S050	24N/02W-14H01	M	71.0F 21.6C	6.4 445		--	--	--	--	--	--	--	--	--	--	--	--	--	
06/02/75 1320	S050	24N/02W-30C01	M	64.0F 21.5C	7.1 620		--	--	--	--	--	--	--	22 .62	17.0 1.27	--	--	--	246	

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN					MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3		H	F	TDS	TH	SAR
																SUM	NCH	
	5 5-21																	
	5-21-01																	
	24N/03W-03P01																	
06/03/75 1015	505n 505n	M	67.0F 19.4C	7.3 341	355 341	--	--	--	--	--	--	--	6.4 1.4	21.0 3.4	--	--	--	157
06/03/75 0900	505n 505n	M	67.0F 20.5C	7.3 239	250 239	--	--	--	--	--	--	--	4.0 1.1	7.9 1.3	--	--	--	98
06/03/75 0955	505n 505n	M	67.0F 19.4C	6.9 204	224 204	--	--	--	--	--	--	--	5.0 1.4	6.4 1.1	--	--	--	88
06/03/75 0935	505n 505n	M	67.0F 19.4C	6.9 175	175 175	--	--	--	--	--	--	--	--	--	--	--	--	
06/02/75 1445	505n 505n	M	67.0F 20.5C	7.2 655	645 655	--	--	--	--	--	--	--	1.4 3.4	15.0 2.4	--	--	--	300
06/03/75 0915	505n 505n	M	67.0F 20.5C	7.1 165	165 165	--	--	--	--	--	--	--	--	--	--	--	--	
06/02/75 0925	505n 505n	M	70.0F 21.1C	6.3 250	250 250	--	--	--	--	--	--	--	--	--	--	--	--	
06/04/75 0945	505n 505n	M	67.0F 19.4C	7.1 565	565 565	--	--	--	--	--	--	--	--	--	--	--	--	
06/02/75 1000	505n 505n	M	67.0F 20.5C	7.4 285	285 285	--	--	--	--	--	--	--	--	--	--	--	--	
06/02/75 1015	505n 505n	M	66.0F 18.9C	6.6 305	318 305	--	--	--	--	--	--	--	1.3 3.7	9.9 1.6	--	--	--	118
06/04/75 1000	505n 505n	M	77.0F 25.0C	7.5 394	408 394	--	--	--	--	--	--	--	2.1 5.9	5.1 0.8	--	--	--	162
06/04/75 1010	505n 505n	M	69.0F 20.5C	6.9 655	655 655	--	--	--	--	--	--	--	--	--	--	--	--	
06/03/75 1350	505n 505n	M	72.0F 22.2C	7.2 367	395 367	--	--	--	--	--	--	--	6.9 1.2	5.2 0.8	--	--	--	146
06/05/75 1200	505n 505n	M	71.0F 21.6C	6.9 338	495 338	69 338	33 33	16 16	7 7	10 10	211 211	60 60	3.0 1.3	50.0 1.2	100 1.2	--	--	407 118
06/03/75 1055	505n 505n	M	77.0F 25.0C	7.1 324	355 324	--	--	--	--	--	--	--	6.0 1.7	2.2 0.4	--	--	--	154
06/03/75 1230	505n 505n	M	77.0F 25.0C	7.3 150	150 150	--	--	--	--	--	--	--	--	--	--	--	--	
06/03/75 1310	505n 505n	M	72.0F 22.2C	7.6 505	505 505	--	--	--	--	--	--	--	--	--	--	--	--	
05/30/75 1150	505n 505n	M	66.0F 20.0C	7.0 540	540 540	--	--	--	--	--	--	--	--	--	--	--	--	
05/30/75 1215	505n 505n	M	70.0F 21.1C	7.1 230	230 230	--	--	--	--	--	--	--	--	--	--	--	--	
06/09/75 2030	505n 505n	M	75.0F 23.9C	6.8 421	390 421	30 421	26 2.14	19 18	6 18	6.0 1.0	198 72	21 10	2.0 1.2	3.6 1.0	1.30 1.0	--	--	281 10

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN								MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER			
				CA	MG	NA	K	CU	CO	CL	NO3	PERCENT REACTANCE VALUE	8	F	TDS	TH	SAR		

S S-21		CENTRAL VALLEY REGION SACRAMENTO VALLEY																	
S-21.01		TENAH- COUNTY																	
06/04/75 1200	5050	26N/03=03401	M	7.1	365	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/04/75 1210	5050	26N/03=04F01	M	7.1	295	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/04/75 1145	5050	26N/03=26C01	M	7.0	400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/03/75 1425	5050	26N/03=32A02	M	7.5	190	--	--	--	--	--	--	4.4	14.0	--	--	--	--	68	--
06/04/75 1250	5050	26N/03=38E02	M	7.2	380	--	--	--	--	--	--	11	4.3	--	--	--	--	151	--
06/04/75 1255	5050	26N/03=36F01	M	7.4	480	--	--	--	--	--	--	22	4.0	--	--	--	--	188	--
06/04/75 1115	5050	26N/03=36K01	M	7.7	420	--	--	--	--	--	--	4.2	15	--	--	--	--	--	--
05/29/75 1145	5050	26N/04=10001	M	7.6	375	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/30/75 1045	5050	27N/02=30C02	M	6.6	285	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/29/75 1425	5050	27N/03=10B01	M	7.1	330	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/29/75 1435	5050	27N/03=10001	M	7.6	303	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/30/75 1005	5050	27N/03=14N01	M	6.7	745	--	--	--	--	--	--	11.5	21.0	--	--	--	--	224	--
05/29/75 1410	5050	27N/03=15C01	M	6.4	520	4.2	27	16	1.8	4.0	2.6	24	21	16.0	4.00	--	316	218	0.5
05/29/75 1355	5050	27N/03=15E01	M	7.1	565	2.1	44	14	1.5	27	3.3	40	10	12	5	--	257	34	--
05/29/75 1335	5050	27N/03=15N01	M	7.2	525	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/02/75 0730	5050	27N/03=19A01	M	6.4	270	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/02/75 0830	5050	27N/03=20A01	M	6.4	280	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/30/75 0955	5050	27N/03=21C01	M	7.2	305	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/30/75 1020	5050	27N/03=22H01	M	6.2	520	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/30/75 1030	5050	27N/03=23001	M	6.4	645	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN								MILLIGRAMS PER LITER PERCENT REACTANCE PER LITER				MILLIGRAMS PER LITER				SAW	
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	D	F	TDS SUM	TH NCM					
CENTRAL VALLEY REGION																					
SACRAMENTO VALLEY																					
TEHAMA COUNTY																					
05/30/75 1135	5050	5050	27N/13W-25D01	M	74.0F 23.3C	6.8	405	--	--	--	--	--	--	--	--	--	--	--	--		
05/30/75 0820	5050	5050	27N/13W-28C03	M	65.0F 16.3C	6.8	203	--	--	--	--	--	--	--	--	--	--	--	--		
06/02/75 0810	5050 5050	5050	27N/13W-31A01	M	66.0F 20.0C	7.4	260 258	--	--	--	--	--	--	4.1 .12	5.2 .08	--	--	--	--	91	
05/29/75 0920	5050	5050	27N/14W-01H02	M	71.0F 21.1C	7.7	225	--	--	--	--	--	--	--	--	--	--	--	--		
06/05/75 1500	5050	5050	27N/14W-03J01	M	69.0F 21.5C	7.2	240	--	--	--	--	--	--	--	--	--	--	--	--		
05/29/75 1005	5050	5050	27N/14W-12P01	M	72.0F 22.2C	7.6	270	--	--	--	--	--	--	--	--	--	--	--	--		
05/29/75 1015	5050 5050	5050	27N/14W-24C01	M	66.0F 20.0C	7.3	300 293	--	--	--	--	--	--	4.1 .12	6.2 .13	--	--	--	--	129	
05/29/75 1035	5050 5050	5050	27N/14W-26J01	M	71.0F 21.1C	6.8	335 317	--	--	--	--	--	--	7.4 .11	4.6 .07	--	--	--	--	137	
05/29/75 0835	5050 5050	5050	28N/13W-28A01	M	72.0F 22.2C	6.8	600 601	--	--	--	--	--	--	67 2.45	.7 .01	--	--	--	--	122	
05/29/75 0815	5050	5050	28N/13W-29B01	M	66.0F 19.9C	6.8	480	--	--	--	--	--	--	--	--	--	--	--	--		
GLENN COUNTY																					
07/28/75 1118	5105	5105	19N/12W-18H01	M	72.0F 22.2C	6.8	430	--	--	--	--	--	--	--	--	--	--	--	--		
07/28/75 1018	5105 5050	5105	19N/12W-19E01	M	66.0F 17.0C	7.6 6.3	600 605	--	--	--	--	0 4.00	4.00 7.67 7.3	--	16 .51 5	4.0 .06 1	--	--	--	332	
07/28/75 0930	5105	5105	19N/12W-07F01	M	67.0F 19.4C	7.4	610	--	--	--	--	--	--	--	--	--	--	--	--		
07/28/75 0950	5105 5050	5105	19N/13W-18H01	M	73.0F 22.0C	7.8 6.5	655 675	--	--	--	--	6.0 2.0	2.7 4.67	--	3.0 .15	--	--	--	--	226	
07/28/75 0845	5105	5105	19N/12W-06B01	M	67.0F 19.4C	7.5	340	--	--	--	--	--	--	--	--	--	--	--	--		
07/28/75 1137	5105 5050	5105	19N/12W-23H01	M	70.0F 21.1C	7.2 6.3	950 932	64 3.44 3.3	64 5.26 4.6	65 2.83 2.5	6 .02	0 .00	558 9.15 61	78 1.62 14	13 3.37 3	4.2 .15 1	.20	--	590 573	436 0	1.4
07/28/75 0832	5105	5105	19N/13W-04C01	M	72.0F 22.2C	7.7	630	--	--	--	--	--	--	--	--	--	--	--	--		
07/28/75 0843	5105	5105	19N/13W-09J01	M	66.0F 20.0C	7.9	490	--	--	--	--	--	--	--	--	--	--	--	--		
07/28/75 0855	5105	5105	19N/13W-18P01	M	71.0F 21.6C	7.9	640	--	--	--	--	--	--	--	--	--	--	--	--		
07/28/75 1002	5105	5105	19N/13W-26P01	M	71.0F 21.6C	7.8	580	--	--	--	--	--	--	--	--	--	--	--	--		

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				SAR	
					Ca	Mg	Na	K	CO3	HCO3	SO4	CL	NO3	H	F	TDS SUM		TH NCM
CENTRAL VALLEY REGION SACRAMENTO VALLEY																		
GLENN COUNTY																		
07/28/75 1204	5105	68.0F 20.0C	7.5	430	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/28/75 1212	5105	73.0F 22.0C	7.4	440	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/28/75 1153	5105	78.0F 25.5C	7.8	335 331	--	--	--	--	3.0 10	167 3.06	--	7.4 21	5.3 1.09	--	--	--	--	144
07/26/75 1505	5105	67.0F 19.4C	8.0	410	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/75 1455	5105	75.0F 23.9C	7.8	325 312	--	--	--	--	0 100	182 2.98	--	5.5 16	7.6 12 4	--	--	--	--	128
07/26/75 1445	5105	73.0F 22.8C	7.8	245	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/28/75 0802	5105 5050	67.0F 19.4C	7.2	526 530	--	--	--	--	--	--	--	17 46	10.0 16	--	--	--	--	257
07/26/75 1430	5105	81.0F 27.2C	7.9	360	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/28/75 1310	5105 5050	64.0F 20.5C	7.6	370 422	--	--	--	--	--	--	--	14 34	5.4 1.09	--	--	--	--	193
07/26/75 1525	5105 5050	69.0F 21.5C	7.6	610 576	--	--	--	--	--	--	--	34 96	18.0 28	--	--	--	--	253
07/26/75 0912	5105	75.0F 23.9C	7.4	645	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/75 0926	5105	65.0F 20.6C	8.11	290	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/75 1143	5105 5050	67.0F 19.4C	7.1	625 620	56 2.74	27 2.22	32 35	.7 22	4.0 1.13	199 3.26	50 1.04	48 1.35	29.0 4.7 8	10	--	386 345	250 81	0.9
07/26/75 1132	5105	76.0F 24.4C	7.2	560	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/75 1116	5105 5050	68.0F 20.0C	7.1	540 526	--	--	--	--	4.0 1.13	248 4.06	--	20 56	23.0 4.37	--	--	--	--	236
07/26/75 1220	5105	67.0F 19.4C	7.2	485	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/75 1208	5105 5050	66.0F 19.9C	7.3	435 409	42 2.10	18 1.44	18 24	.9 18	0 1.02	203 3.33	22 46	15 42 10	5.5 1.08 2	10	--	244 221	181 13	0.6
07/26/75 1058	5105 5050	66.0F 18.9C	7.2	910 921	--	--	--	--	4.0 1.13	386 6.33	--	71 2.00	26.0 4.32	--	--	--	--	402
07/26/75 1033	5105	74.0F 23.3C	7.4	430	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/75 1040	5105 5050	71.0F 21.6C	7.2	410 405	--	--	--	--	0 100	246 3.38	--	17 48	5.2 1.08 2	--	--	--	--	175

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

TIME	SAMPLE LAB			TEMP	FIELD LABORATORY PM	FIELD EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS SUM	TH ACM	SAH
CENTRAL VALLEY REGION																				
SACRAMENTO VALLEY																				
GLENN COUNTY																				
07/28/75 1405	5105	5-21.02 22N/03M-22002	M	68.0F 20.0C	7.4	405	--	--	--	--	--	--	--	--	--	--	--			
07/28/75 1355	5105	22N/03M-22001	M	68.0F 20.0C	7.6	500	--	--	--	--	--	--	--	--	--	--	--			
07/26/75 0950	5105 5050	22N/03M-32H02	M	71.0F 21.1C	6.6 7.9	410 419	--	--	--	--	0 400	264 3.34 87	--	14 39 12 3	7.3 16 3	--	--	178		
07/26/75 1020	5105 5050	22N/044-10H01	M	72.0F 22.2C	7.2 6.5	505 502	47 2.35 43	24 2.34 43	18 1.78 14	5 401	5 17 3	242 3497 74	27 19 10 10	14 39 16 3	7.3 16 3	10	--	307 237 30	275	0.5
BUTTE COUNTY																				
05/28/75 0930	5050	5-21.03 17N/01E-01H01	M	65.0F 18.3C	7.3 6.4	425 756	25 1.25 14	54 4.85 55	61 2.65 30	233 100 1	610 20 2	433 710 82	14 29 3	30 14 12 1	6.5 10 1	409	--	445 423	306 0	1.5
05/28/75 1105	5050	17N/03E-18H01	M	68.0F 20.0C	7.2	580	--	--	--	--	--	--	--	--	--	--	--			
05/28/75 1140	5050	17N/03E-20C01	M	67.0F 19.4C	7.1	355	--	--	--	--	--	--	--	--	--	--	--			
05/28/75 0815	5050	18N/01E-14H01	M	67.0F 19.4C	7.3	305	--	--	--	--	--	--	--	--	--	--	--			
05/28/75 0845	5050 5050	18N/02E-125H01	M	62.0F 16.7C	6.8 6.5	280 275	--	--	6.6 4.8 1.37 12	-- 510 17	103 2467	--	310 108	--	--	--	--	132	--	0.3
05/28/75 0830	5050	18N/02E-14K01	M	68.0F 20.0C	7.3	280	--	--	--	--	--	--	--	--	--	--	--			
05/28/75 1325	5050	18N/03E-25J01	M	67.0F 19.4C	7.1	220	--	--	--	--	--	--	--	--	--	--	--			
05/28/75 1215	5050 5050	18N/03E-29H01	M	67.0F 19.4C	7.2 6.3	220 217	14 40 30	14 1.15 49	11 4.8 20	1.7 104 2	0 400 21	126 245 91 7	842 17 7	140 14 10 1	40 100	400	--	169 112	93 0	0.5
05/28/75 1250	5050	18N/03E-33H01	M	69.0F 20.5C	7.3	220	--	--	--	--	--	--	--	--	--	--	--			
05/29/75 0850	5050	18N/04E-07H01	M	68.0F 20.0C	7.1	165	--	--	--	--	--	--	--	--	--	--	--			
05/28/75 1430	5050 5050	18N/04E-21H01	M	65.0F 18.3C	7.1 6.5	335 325	31 1.55 45	20 1.84 45	10 4.4 12	5 401 5	510 245 19 5	174 245 19 5	440 19 5	64 18 5	5.8 109 3	400	--	218 173	158 0	0.3
05/28/75 1400	5050 5050	18N/04E-28H01	M	72.0F 22.2C	8.1 8.5	2550 2720	43 2.15 8	72 26 1	550 23.93 90	42 11 13	410 214 9	150 16 16 62	776 736 28	281 736 28	349 106	5490	--	1840 1725	120 0	21.8
05/28/75 0745	5050	19N/02E-16H01	M	68.0F 20.0C	7.2	245	--	--	--	--	--	--	--	--	--	--	--			
05/29/75 1045	5050	19N/04E-06H01	M	73.0F 22.8C	7.3	135	--	--	--	--	--	--	--	--	--	--	--			
05/27/75 1445	5050 5050	20N/01E-01C01	M	69.0F 20.5C	7.0 6.7	800 724	--	--	--	--	20 467	305 540	--	32 40 10 12	97.0 92	--	--	--	382	--
05/27/75 1110	5050 5050	20N/01E-04J01	M	64.0F 17.8C	7.3 6.6	520 529	--	--	--	--	12 40	217 3456	--	23 62 15 3	95.0	--	--	--	257	--

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS SUM	TH NCN	SAR
CENTRAL VALLEY REGION SACRAMENTO VALLEY																	
HUTTE COUNTY																	
05/27/75 1515	5050	66.0F 10.9C	7.2 275	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/28/75 0725	5050 5050	66.0F 10.9C	7.2 736	65 3.24 41	33 2.71 34	43 1.47 24	2.2 .00 1	13 .43 6	260 4.26 55	31 .65 8	80 2.26 29	7.8 .13 2	.00	--	495 403	297 63	1.1
05/29/75 1100	5050	66.0F 10.9C	6.8 155	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/27/75 1045	5050	66.0F 17.8C	7.1 890	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/27/75 1545	5050 5050	66.0F 10.9C	6.8 530	41 2.05 37	34 2.80 51	15 .65 12	.4 .01	7.0 .23 4	192 3.15 56	66 1.37 25	10 .20 5	35.0 .56 10	.00	--	450 303	244 74	0.4
05/27/75 1415	5050 5050	66.0F 10.9C	7.0 1090	--	--	--	--	4.0 .27	321 5.26	--	23 .65	118 1.90	--	--	--	--	528
05/29/75 1215	5050 5050	71.0F 21.6C	6.8 225	--	--	--	--	0 .00	132 2.10 92	--	4.0 .11	5.3 .09 5	--	--	--	--	98
05/23/75 0825	5050	65.0F 10.3C	7.0 335	--	--	--	--	--	--	--	--	--	--	--	--	--	--
HUTTE COUNTY																	
05/23/75 0840	5050 5050	66.0F 10.9C	7.1 330	25 1.25 37	15 1.23 36	21 .91 27	.4 .02 1	4.0 .10 3	139 2.28 67	14 .29 8	9.0 .25 7	31.0 .50 15	.20	--	243 187	124 5	0.8
05/23/75 0935	5050	67.0F 19.4C	7.1 215	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/27/75 1340	5050	67.0F 19.4C	7.1 505	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/23/75 0730	5050	63.0F 17.2C	6.8 555	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/29/75 0730	5050 5050	66.0F 10.9C	7.1 435	--	--	--	--	8.0 2.31	202 3.31	--	4.8 .14	37.0 .60	--	--	--	--	203
COLUSA COUNTY																	
06/02/75 1100	5050 5050	63.0F 17.2C	7.0 440	37 1.05 41	21 1.73 38	21 .91 20	2.4 .07 2	7.0 .23 3	240 3.93 87	10 .21 5	4.8 .14 3	.6 .01	.10	--	250 222	180 0	0.7
06/04/75 0940	5050 5050	66.0F 10.9C	7.7 550	--	--	--	--	12 .40	220 3.61	--	54 1.52	.7 .01	--	--	--	--	80
06/03/75 0900	5050	66.0F 20.5C	7.1 1350	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/03/75 0850	5050 5050	74.0F 23.3C	7.4 1340	--	--	--	--	0 .00	119 1.95 17	--	31.4 9.00 80	23.0 .37 3	--	--	--	--	432
06/02/75 1355	5050	67.0F 19.4C	7.3 1270	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/02/75 1155	5050 5050	70.0F 21.1C	7.4 435	25 1.25	24 1.97	30 1.31	.9 .02	7.0 .23	186 3.05	.9 .10	36 1.02	9.1 .15	.20	--	252 229	162 0	1.0

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

[illegible]

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE# LAB	TEMP LABORATORY	FIELD PH	FC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				SAR
					CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	H	F	TDS SUM	
CENTRAL VALLEY REGION																	
SACRAMENTO VALLEY																	
COLUSA COUNTY																	
05/30/75	5050	75.0F	7.7	385	--	--	--	--	12	227	--	8.1	.3	--	--	171	
0835	5050	23.4C	8.6	385	--	--	--	--	.40	3.72	--	.23	.00	--	--		
06/05/75	5050	70.0F	7.6	460	--	--	--	--	--	--	--	--	--	--	--		
0905	5050	21.1C			--	--	--	--	--	--	--	--	--	--	--		
06/05/75	5050	66.0F	7.4	1770	--	--	--	--	--	--	--	--	--	--	--		
1005	5050	14.4C			--	--	--	--	--	--	--	--	--	--	--		
06/05/75	5050	64.0F	7.4	605	--	--	--	--	--	--	--	--	--	--	--		
1100	5050	20.5C			--	--	--	--	--	--	--	--	--	--	--		
06/05/75	5050	72.0F	7.7	1000	--	--	--	--	--	--	--	--	--	--	--		
1000	5050	22.2C			--	--	--	--	--	--	--	--	--	--	--		
SUTTER COUNTY																	
06/09/75	5050	69 F	7.5	652	--	--	40	--	0	395	--	31	--	--	--	284	1.0
1245	5050	21 C	8.0	663	--	--	1.74	--	.00	5.82	--	.87	--	--	--		
06/09/75	5050	69 F	8.0	303	--	--	22	--	0	147	--	23	--	--	--	96	1.0
1330	5050	21 C	8.0	309	--	--	.96	--	.00	2.1	--	.65	--	--	--		
06/09/75	5050	66 F	7.5	391	--	--	20	--	0	218	--	13	--	--	--	174	0.7
1200	5050	19 C	7.8	396	--	--	.87	--	.00	3.57	--	.37	--	--	--		
06/09/75	5050	70 F	7.3	596	--	--	23	--	0	278	--	9.0	50	7.0	.00	378	260
1030	5050	21 C	7.8	602	--	--	3.13	--	.00	4.56	--	19	14.1	.11	.00	305	29
06/06/75	5050	66 F	7.7	384	--	--	24	--	0	245	--	4.6	2.4	.6	.10	263	157
0915	5050	19 C	8.0	385	--	--	1.04	--	.00	4.02	--	.10	.07	.01	--	201	0
06/06/75	5050	66 F	7.4	703	--	--	38	--	0	411	--	9.4	--	--	--	320	0.9
0845	5050	19 C	8.0	711	--	--	1.65	--	.00	6.74	--	.27	--	--	--		
06/06/75	5050	66 F	7.5	536	--	--	23	--	0	337	--	12	10	.1	.00	326	251
1200	5050	19 C	8.3	539	--	--	3.13	--	.00	5.52	--	.25	.28	.00	--	289	0
06/06/75	5050	69 F	7.3	403	--	--	10	--	0	212	--	4.7	--	--	--	164	0.3
1045	5050	21 C	8.1	301	--	--	.44	--	.00	3.47	--	.13	--	--	--		
06/05/75	5050	67 F	7.5	277	--	--	20	--	0	149	--	10	--	--	--	102	0.9
1615	5050	19 C	7.9	278	--	--	.87	--	.00	2.44	--	.28	--	--	--		
06/06/75	5050	67 F	7.3	946	--	--	24	--	0	501	--	76	--	--	--	486	0.5
0700	5050	19 C	8.0	959	--	--	1.04	--	.00	8.21	--	2.14	--	--	--		
06/05/75	5050	0 F	7.3	418	--	--	20	--	0	207	--	22	--	--	--	173	0.7
1445	5050	18 C	7.8	419	--	--	.87	--	.00	3.39	--	.62	--	--	--		
06/05/75	5050	66 F	7.5	390	--	--	15	--	0	232	--	10	4.6	6.3	.00	230	182
1330	5050	19 C	8.1	393	--	--	.65	--	.00	3.80	--	.21	.13	.10	--	206	0
06/05/75	5050	70 F	7.3	373	--	--	17	--	0	201	--	11	--	--	--	153	0.6
1540	5050	21 C	8.1	354	--	--	.74	--	.00	3.29	--	.31	--	--	--		
YUBA COUNTY																	
06/04/75	5050	67 F	7.3	311	--	--	15	--	0	127	--	22	--	--	--	115	0.6
1245	5050	19 C	8.0	310	--	--	.65	--	.00	2.08	--	.62	--	--	--		

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PM	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				SAR			
					CA	MG	NA	K	CO3	MG03	SO4	CL	NO3	S	F	TDS SUM		TM NCM		
CENTRAL VALLEY REGION SACRAMENTO VALLEY																				
YUBA COUNTY																				
06/04/75 1515	5050 5050	70 21	F C	7.3 8.1	217 209	13 95	9.7 80	15 65	.7 .02	0 .00	102 1.67	4.9 1.10	9.9 .28	6.8 .11	.00 --	-- --	174 110	72 0	0.8	
06/04/75 1215	5050 5050	68 20	F C	7.1 8.0	288 290	21 105	15 1.23	15 42	.7 .02	0 .00	126 2.02	9.7 7	13 .20	14.0 .23	.00 --	-- --	288 150	116 11	0.6	
03/05/75	5701 5701	62 17	F C	7.6 7.6	422 422	38 41	26 1.90	26 2.14	1.2 .03	.6 .02	209 3.43	31 73	12 .65	14.0 .34	.1 .23	-- --	.1 48.0	288 30	200 30	0.4
06/05/75 1030	5050 5050	68 20	F C	7.7 8.1	393 384	38 1.90	15 1.23	18 31	3.3 .08	0 .00	180 2.45	25 13	16 .45	.0 .00	.00 --	-- --	254 204	156 9	0.6	
05/13/75	5701 5701	63 17	F C	7.5 7.5	485 485	25 45	26 2.14	14 .41	1.6 .07	.2 .02	239 3.92	36 74	13 .75	15.0 .37	.1 .05	-- --	.1 46.0	318 318	220 23	0.5
08/19/75	5701 5701	62 17	F C	7.4 7.4	238 238	25 1.25	12 .99	4.0 51	.8 .17	.2 .01	102 1.67	25 .52	9.0 .25	3.0 .05	.0 .02	-- --	.1 35.0	164 164	112 28	0.2
07/01/75	5701 5701	64 18	F C	7.5 7.5	530 530	46 2.30	25 2.06	23 1.00	4.0 .10	.5 .02	239 3.92	16 71	45 .33	.0 .27	.0 .00	-- --	.1 48.0	325 325	220 21	0.7
08/19/75	5701 5701	64 18	F C	7.5 7.5	544 544	50 2.50	32 2.63	16 12	2.1 .05	.6 .02	268 4.39	25 73	34 .96	6.0 .10	.0 .02	-- --	.1 34.0	331 331	256 36	0.4
05/12/75	5701 5701	64 18	F C	7.7 7.7	337 337	30 42	19 1.56	11 .43	2.1 .05	.6 .02	182 2.98	14 28	2.0 .06	11.0 .18	.0 .05	-- --	.1 50.0	229 229	152 3	0.4
05/13/75	5701 5701	63 17	F C	7.4 7.4	425 425	36 1.60	27 2.22	13 .39	2.5 .07	.4 .01	212 3.47	24 75	11 .37	15.0 .24	.0 .05	-- --	.1 50.0	288 288	200 27	0.4
08/19/75	5701 5701	63 17	F C	7.7 7.7	378 378	34 42	21 1.73	13 .43	1.6 .07	.6 .02	189 3.10	38 .79	8.0 .23	.0 .00	.0 .00	-- --	.1 37.0	246 246	174 16	0.4
03/05/75	5701 5701	62 17	F C	7.6 7.6	468 468	42 41	28 2.30	28 45	1.4 .05	.6 .02	234 3.94	37 15	15 .77	10.0 .42	.0 .16	-- --	.1 44.0	308 308	220 27	0.4
06/05/75 0715	5050 5050	67 19	F C	7.7 8.3	277 274	43 1.15	14 1.15	14 21	1.1 .03	0 .00	154 2.48	4.4 .09	7.1 .20	.1 .00	.00 --	-- --	173 139	117 0	0.6	
06/09/75 0830	5050 5050	67 19	F C	7.9 8.1	296 301	-- --	-- --	18 .78	-- .00	0 .00	141 2.31	-- 5.7	-- .16	-- --	-- --	-- --	-- --	121 121	-- 0	0.7
06/05/75 1230	5050 5050	64 18	F C	7.3 8.1	688 669	98 2.89	47 3.87	18 51	1.4 .05	0 .00	356 5.83	52 1.08	10 .28	18.0 .29	.00 --	-- --	424 380	340 47	0.4	
PLACER COUNTY																				
06/04/75 0845	5050 5050	70 21	F C	7.5 7.8	284 278	-- --	-- --	30 1.31	-- .00	0 .00	118 1.93	-- 	27 .76	-- 	-- 	-- 	-- 	70 	1.6	
06/04/75 0945	5050 5050	70 21	F C	7.8 7.8	247 245	-- --	-- --	19 .83	-- .00	0 .00	112 1.84	-- 	17 .48	-- 	-- 	-- 	-- 	75 	1.0	
06/04/75 0730	5050 5050	70 21	F C	6.9 7.8	276 274	21 1.05	9.7 .80	20 32	1.4 .08	0 .00	136 2.23	6.1 83	10 .28	3.0 .05	.10 --	-- --	217 138	92 0	0.9	
06/04/75 1050	5050 5050	67 19	F C	7.1 7.9	269 267	16 80	10 .82	23 31	.6 1.00	0 .02	115 1.88	7.6 73	17 .6	2.4 .19	.10 --	-- --	195 133	82 0	1.1	
SACRAMENTO COUNTY																				
06/17/75 1245	5050 5050	69 21	F C	7.3 7.5	154 153	-- --	-- --	24 1.04	-- .00	0 .00	66 1.08	-- 	7.4 .21	-- 	-- 	-- 	-- 	27 	2.0	

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER			
					Ca	Mg	Na	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS SUM
CENTRAL VALLEY REGION																
SACRAMENTO VALLEY																
SACRAMENTO COUNTY																
06/17/75 0715	5050 5050	5-21 06N/05E-03F01	M	64 18	F C	7.3 7.7	489 488	-- 1.00	-- 19	23 96	0 4.57	279 4.57	-- 15.42	-- --	-- --	219 0.7
06/17/75 0800	5050 5050	06N/05E-31L03	M	66 19	F C	7.9 7.7	271 275	-- 0.96	-- 31	22 96	0 2.47	151 2.47	-- 14.39	-- --	-- --	109 0.9
06/17/75 1445	5050 5050	06N/06E-23C02	M	65 18	F C	7.3 7.5	272 278	-- 0.83	-- 29	19 83	0 2.10	128 2.10	-- 16.45	-- --	-- --	104 0.8
06/17/75 1315	5050 5050	06N/06E-21P03	M			7.3 7.4	201 200	-- 1.52	-- 77	35 1.52	0 1.33	61 1.33	-- 6.619	-- --	-- --	23 3.2
06/16/75 1544	5050 5050	07N/04E-11002	M	66 19	F C	7.7 7.5	2020 2100	-- 12.09	-- 61	278 12.09	0 3.23	197 3.23	-- 56615.96	-- --	-- --	381 6.2
06/18/75 0700	5050 5050	07N/05E-03F01	M	67 19	F C	7.5 7.6	186 185	-- 0.61	-- 32	14 61	0 1.46	89 1.46	-- 9.427	-- --	-- --	65 0.8
06/17/75 0630	5050 5050	07N/05E-07C01	M	67 19	F C	7.7 7.7	338	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	215
06/18/75 0745	5050 5050	07N/06E-10001	M	67 19	F C	7.3 7.6	207 203	-- 0.83	-- 40	19 83	0 1.77	108 1.77	-- 8.023	-- --	-- --	63 1.0
06/18/75 1015	5050 5050	07N/07E-08801	M	67 19	F C	7.1 7.5	231 227	-- 1.17	-- 47	27 1.17	0 2.08	127 2.08	-- 7.521	-- --	-- --	66 1.4
06/18/75 0915	5050 5050	07N/07E-14W01	M	66 19	F C	7.3 7.4	251 256	-- 0.52	-- 19	12 52	0 2.23	136 2.23	-- 5.415	-- --	-- --	109 0.5
06/18/75 0815	5050 5050	07N/07E-33G01	M	68 20	F C	7.1 7.5	252 257	-- 0.70	-- 27	16 70	0 2.02	123 2.02	-- 14.39	-- --	-- --	96 0.7
06/23/75 1200	5050 5050	08N/05E-06H01	M	64 18	F C	7.4 7.6	492 489	-- 0.96	-- 20	22 96	0 3.06	167 3.06	-- 1.66	-- --	-- --	191 0.7
06/23/75 1300	5050 5050	09N/04E-13F01	M	63 17	F C	7.3 7.5	516 506	-- 1.39	-- 27	32 1.39	0 3.10	169 3.10	-- 1.55	-- --	-- --	190 1.0
08/27/75 1750	5050 5050	09N/05E-36H01	M	68 20	F C	7.7 7.8	237 226	-- 9.0	-- 39	9.0 39	0 1.84	112 1.84	-- 6.919	-- --	-- --	90 0.4
06/14/75 1000	5050 5050	09N/06E-25P01	M	65 18	F C	6.4 7.4	260	-- --	-- --	-- --	-- --	-- --	-- 4.713	-- --	-- --	172
06/18/75 1130	5050 5050	09N/06E-34W01	M	66 19	F C	7.1 7.5	240 238	-- 0.52	-- 21	12 52	0 1.60	110 1.60	-- 10.28	-- --	-- --	96 0.5
06/18/75 1215	5050 5050	09N/07E-10001	M	62 17	F C	7.3 7.5	300 301	-- 9.0	-- 39	9.0 39	0 3.10	159 3.10	-- 14.39	-- --	-- --	141 0.3
04/17/75 1100	5050 5050	09N/07E-16G01	M			7.5	390	-- --	-- --	-- --	-- --	-- --	-- 17.48	-- --	-- --	260
04/17/75 1030	5050 5050	09N/07E-16H01	M			7.3	410	-- --	-- --	-- --	-- --	-- --	-- 15.42	-- --	-- --	286
04/14/75 1400	5050 5050	09N/07E-16P01	M	67 19	F C	7.1	550 570	-- --	-- --	-- --	-- --	-- --	-- 772.17	-- --	-- --	382

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY		MINERAL CONSTITUENTS IN								MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER			
			PH	EC	CA	MG	NA	K	CO3	HCO3	S04	CL	N03	8	F	T05	TM	SAR		

CENTRAL VALLEY REGION																				
SACRAMENTO VALLEY																				
SACRAMENTO COUNTY																				
04/14/75 1430	S35n S35n	M 2u	F C	8.3 509	490 509	--	--	--	--	--	--	--	26 .73	--	--	--	--	369		
04/17/75 0730	S35n S35n	M 1d	F C	400	400	--	--	--	--	--	--	--	42 1.18	--	--	--	--	269		
04/17/75 0745	S35n S35n	M 2u	F C	7.1 355	355	--	--	--	--	--	--	--	15 .42	--	--	--	--	245		
06/16/75 1345	S35n S35n	M 17	F C	7.3 7.4	420 417	--	--	29 1.26 28	--	0 .00	230 3.77	--	13 .37	--	--	--	--	162 1.0		
06/18/75 1500	S35n S35n	M 21	F C	7.4 7.6	338 322	--	--	29 1.26 41	--	0 .00	101 2.04	--	40 1.13	--	--	--	--	91 1.3		
YOLU COUNTY																				
06/19/75 0815	S35n S35n	M 16	F C	7.7 7.5	470 491	--	--	59 2.57 22	--	0 .00	561 9.19	--	37 1.04	--	--	--	--	448 1.2		
06/19/75 0845	S35n S35n	M 18	F C	7.9 7.6	1310 1340	--	--	79 3.44 23	--	0 .00	525 8.02	--	134 3.70	--	--	--	--	592 1.4		
06/19/75 0930	S35n S35n	M 18	F C	7.7 7.7	1820 1870	--	--	284 12.15 58	--	0 .00	892 14.62	--	145 4.09	--	--	--	--	449 5.8		
06/19/75 1445	S35n S35n	M 17	F C	7.7 7.5	520 517	--	--	34 1.48 28	--	0 .00	242 3.97	--	32 .90	--	--	--	--	193 1.1		
06/19/75 1015	S35n S35n	M 18	F C	7.9 7.7	530 513	--	--	39 1.70 30	--	0 .00	253 4.15	--	37 1.04	--	--	--	--	196 1.2		
06/19/75 1215	S35n S35n	M 18	F C	8.1 7.6	528 543	--	--	40 1.74 31	--	0 .00	253 4.15	--	35 .99	--	--	--	--	195 1.2		
06/19/75 1130	S35n S35n	M 18	F C	8.1 7.7	495 505	--	--	51 2.22 42	--	0 .00	278 4.56	--	24 .68	--	--	--	--	155 1.8		
06/20/75 0800	S35n S35n	M 20	F C	7.9 7.4	367 378	--	--	23 1.00 26	--	0 .00	178 2.42	--	16 .45	--	--	--	--	143 0.8		
06/20/75 0845	S35n S35n	M 17	F C	7.5 7.6	652 649	--	--	28 1.22 17	--	0 .00	322 5.28	--	74 2.09	--	--	--	--	292 0.7		
06/20/75 1045	S35n S35n	M 18	F C	7.5 7.6	980 991	--	--	60 2.61 32	--	0 .00	472 7.74	--	66 1.86	--	--	--	--	418 1.3		
06/20/75 1015	S35n S35n	M 18	F C	7.5 7.6	480 490	--	--	32 1.39 26	--	0 .00	261 4.28	--	19 .54	--	--	--	--	194 1.0		
06/20/75 0930	S35n S35n	M 21	F C	7.5 8.1	714 734	41 2.05 26	44 3.02 46	51 2.22 28	1.5 .04 1	0 .00	351 5.75 73	48 1.00 13	33 .99 13	7.3 .12 2	.20	--	--	417 401 0	283 0 1.3	
06/19/75 1245	S35n S35n	M		7.9 7.6	403 411	--	--	18 .78 17	--	0 .00	263 4.31	--	3.0 .11	--	--	--	--	187 0.6		
SOLANO COUNTY																				
05/15/75 1030	S35n S35n	M 16	F C	8.4 8.2	870 816	--	--	147 6.39 75	--	0 .00	332 5.44	--	79 2.23	--	--	--	--	108 6.2		

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

[illegible]

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PM EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER								
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	H	F	TDS SUM	TH NCH	SAR			
CENTRAL VALLEY REGION																				
SAN JOAQUIN VALLEY																				
SAN JOAQUIN COUNTY																				
10/01/74	4203 4203	5-22 5-22-01 01N/06E-04J01	M	7.9	832	18 .92 12	9.6 .79 10	138 6.00 77	1.5 .04 1	--	186 3.45 40	4.5 .09 1	161 4.54 59	1.9 .03 --	489	86	6.5			
10/01/74	5110 9597	01N/06E-06K01	M	8.0	650	9.0 .45 7	5.0 .07 6	133 5.79 86	2.0 .05 1	0	244 5.00 59	5.0 .10 1	96 2.71 40	.0 .00 --	492 370	42	8.8			
10/01/74	5110 9597	01N/06E-09J01	M	7.8	1870	78 3.89 22	28 11.53 13	265 10.5 65	3.0 .08 1	0	397 6.51 35	38 .79 4	402 11.34 61	1.0 .02 --	1209 1010	310	6.6			
09/24/75	2489 5999	01N/06E-10J06	M	7.7	2130	96 4.79 2	38 11.75 16	270 10.5 60	2.0 .05 1	0	109 1.79 10	1.0 .02 --	601 16.95 90	.1 .00 --	1164 1099	394 307	5.9			
09/24/75	2489 5999	01N/06E-10Q07	M	7.8	2150	76 3.79 19	34 13.49 14	310 10.9 67	3.7 .09 1	0	166 2.72 14	1.3 .03 --	601 16.95 88	.1 .00 --	1180 1164	329 194	7.4			
10/23/74	4203 4203	01N/06E-11E02	M	9.7	960	27 1.38 15	15 6.74 71	155 8.06 1	2.2 .08 1	--	15 .25 3	.5 .01 --	340 9.57 97	1.0 .02 --	533	135	5.8			
01/22/75	5701 5701	01N/06E-11K01	M	7.0 21	F C	7.9	561	16 .80 14	7.0 .38 10	95 4.13 75	1.0 .03 1	.9 2.69 50	.0 .27 50	96 1.0 50	.0 .00 --	64.0	361	68	5.0	
09/11/75	5701 5701	70 21	F C	7.3	553	14 .70 13	6.0 .49 9	94 4.04 77	1.4 .04 1	.2 2.75 51	168 .02 51	1.0 .25 51	91 2.57 48	1.0 .02 --	57.0	348	62	5.3		
04/16/75	5701 5701	01N/06E-12A01	M	67 19	F C	7.9	371	26 1.30 35	12 .49 27	30 1.31 36	2.8 .07 2	.7 .02 1	150 2.46 66	9.0 .19 5	32 2.40 24	10.0 .16 4	--	116	1.2	
03/12/75	5701 5701	01N/06E-12C09	M	69 21	F C	8.1	512	14 .70 14	4.0 .33 7	90 3.92 78	2.1 .05 1	1.6 .05 1	193 3.00 60	1.0 .02 --	68 1.92 38	1.0 .02 --	67.0	339	54	5.5
09/10/75	5701 5701	72 22	F C	7.4	608	25 1.23 20	11 .70 15	91 3.96 64	3.6 .09 1	.3 .01 43	161 2.64 43	1.0 .02 --	121 3.41 56	.0 .00 --	60.0	391	106	3.8		
03/12/75	5701 5701	01N/06E-12C10	M	69 21	F C	7.8	446	31 1.55 36	15 2.23 29	32 1.39 33	3.4 .69 2	.5 .92 4	126 2.07 44	6.0 .12 3	72 2.03 40	.0 .00 --	53.0	275	140	1.2
09/11/75	5701 5701	65 16	F C	7.3	546	43 2.15 42	19 1.36 30	30 1.31 26	4.3 .11 2	.2 .01 38	119 1.95 38	7.0 .15 3	104 2.43 59	2.0 .03 1	--	188	313	188	1.0	
09/10/75	5701 5701	01N/06E-12C11	M	72 22	F C	7.4	536	13 .65 12	5.0 .41 8	95 4.13 79	2.5 .08 1	.3 .01 36	193 3.00 36	1.0 .02 --	.2 2.43 43	.0 .00 --	59.0	348	52	5.7
10/22/74	5701 5701	01N/06E-12F01	M	71 22	F C	7.7	443	8.0 .40 9	3.0 .25 5	90 3.92 85	1.2 .03 1	.5 .02 64	177 2.70 64	1.0 .02 --	54 1.52 34	4.0 .06 1	--	316	30	6.9
01/22/75	5701 5701	01N/06E-12K03	M	66 20	F C	7.9	388	23 1.15 31	9.0 .74 20	42 1.83 49	1.9 .05 1	.8 .03 1	146 2.24 61	.0 .02 --	50 1.41 36	.0 .00 --	52.0	248	96	1.9
01/22/75	5701 5701	01N/06E-12N01	M	68 20	F C	7.6	615	25 1.25 22	10 .42 15	80 3.48 62	1.4 .04 1	.6 .03 41	141 2.31 59	.0 .00 --	119 3.33 59	.0 .00 --	56.0	360	104	3.4
09/11/75	5701 5701	64 21	F C	7.6	664	30 1.50 24	13 1.07 17	61 3.52 57	2.0 .05 1	.4 .01 37	143 2.36 37	1.0 .02 --	130 3.64 61	3.0 .05 1	--	389	128	11	3.1	
02/13/75	5701 5701	01N/06E-13J02	M	68 20	F C	7.9	429	16 .80 19	14 1.15 28	49 2.13 51	2.4 .08 1	.8 .03 1	157 2.57 63	1.0 .02 --	51 1.44 35	1.0 .02 --	58.0	270	98	2.2
09/11/75	5701 5701	67 19	F C	7.5	424	26 1.30 31	11 .40 21	45 1.96 46	2.4 .06 1	.3 .01 62	156 2.56 62	1.0 .02 --	54 1.44 36	.0 .00 --	49.0	268	110	0	1.9	
01/22/75	5701 5701	01N/06E-13J01	M	66 19	F C	7.8	287	16 .80 27	6.0 .44 17	37 1.61 55	1.7 .04 1	.6 .02 1	143 2.34 60	.0 .00 --	20 5.6 19	.0 .00 --	56.0	208	64	2.0

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME		SAMPLER LAB	TEMP F	FIELD LABORATORY PH	EC	MINERAL ANALYSES OF GROUNDWATER										MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
						MINERAL CONSTITUENTS IN										PERCENT REACTANCE VALUE					F TOS TH				
						CA	MG	NA	K	CO3	MCU3	SO4	CL	NO3	8	S102	SUM	NCM	SAR						
CENTRAL VALLEY REGION SAN JOAQUIN VALLEY																									
SAN JOAQUIN COUNTY																									
10/02/74	5110 9597	5-22-01 01N/06E-15E01	M	7.4	3600	190 9.48 26	65 5.35 16	435 18.92 56	7.0 1.18 56	0 0.00 2.61	159 25 8	12 25 31	115 31.44 92	.0 0.00 1.92	--	--	2032 1902	740 611	7.0						
10/02/74	5110 9597	01N/06E-15E03	M	7.3	4000	203 5.43 28	66 20.79 15	478 7.0 57	7.0 1.18 57	0 0.00 2.70	165 25 7	12 25 34	1214 12 92	4.0 0.00 1.92	--	--	2138 2061	778 644	7.5						
10/23/74	4203 4203	01N/06E-22J01	M	7.6	1000	236 2.36 22	47 1.49 10	165 7.18 67	3.07 1.18 67	--	165 2.70 26	3.5 1.7 73	270 6 73	.6 0.01 1.92	--	--	644	173	5.5						
10/03/74	5110 9597	01N/06E-34J01	M	7.4	2900	211 10.53 41	48 3.45 15	259 11.27 43	7.0 1.18 43	0 0.00 1	354 5.80 12	1.39 19.12 25	67 67 72	21.0 1.34 1.92	--	--	1638 1465	722 434	4.2						
10/03/74	5110 9597	01N/06E-35N01	M	7.5	1580	116 5.79 39	34 2.80 19	140 6.49 41	6.0 1.18 1	0 0.00 1	287 4.70 30	24 50 3	364 10.26 66	.0 0.00 1.92	--	--	965 825	430 195	2.9						
10/02/74	5110 9597	01N/06E-35P01	M	7.6	760	230 2.30 30	46 1.23 16	15 4.13 53	3.0 1.18 53	0 0.00 4	229 3.75 47	17 35 4	138 3.89 44	1.0 0.02 1.92	--	--	541 428	175 0	3.1						
10/02/74	5110 9597	01N/06E-35P02	M	7.7	600	205 2.05 32	41 1.49 15	12 3.31 51	3.0 1.18 51	0 0.00 4	237 3.88 58	22 46 7	82 2.31 35	1.0 0.02 1.92	--	--	471 354	152 0	2.7						
10/03/74	5110 9597	01N/06E-35P03	M	7.5	1750	104 5.14 31	38 3.13 19	194 8.44 50	6.0 1.18 50	0 0.00 1	396 6.49 37	36 50 4	348 9.81 57	17.0 1.27 2	--	--	1133 938	418 92	4.1						
10/22/74	5701 5701	01N/07E-04F01	M	69 21	F C	7.7	257	18 1.58 34	7.0 2.4 22	4.7 1.12 39	.4 0.01	141 2.31 67	1.0 0.02 1	9.0 25 9	5.0 0.08 3	--	--	204 203	76 0	1.2					
03/12/75	5701	01N/07E-04F01	M	61 21	F C	7.7	259	14 1.95 35	7.0 2.4 22	4.3 1.12 39	.4 0.01	141 2.31 67	1.0 0.02 1	9.0 25 9	5.0 0.08 3	--	--	204 203	76 0	1.2					
10/22/74	5701	01N/07E-04G01	M	71 21	F C	7.8	198	8.0 1.40 20	2.0 1.39 70	32 1.05 39	.4 0.01	111 1.88 1	1.0 0.02 1	7.0 25 10	2.0 0.03 1	--	--	166 166	29 0	2.6					
04/15/75	5701	01N/07E-04G01	M	69 21	F C	7.4	205	8.0 1.40 14	2.0 1.39 12	32 1.05 67	.4 0.01	111 1.88 1	1.0 0.02 1	7.0 25 10	2.0 0.03 1	--	--	166 166	29 0	2.6					
02/13/75	5701 5701	01N/07E-05A01	M	69 21	F C	7.7	248	14 1.95 38	7.0 2.4 22	4.3 1.12 39	.4 0.01	141 2.31 67	1.0 0.02 1	9.0 25 9	5.0 0.08 3	--	--	204 203	76 0	1.2					
04/16/75	5701 5701	01N/07E-05N01	M	60 19	F C	7.7	521	4.3 2.15 41	2.0 1.39 73	32 1.05 25	.4 0.01	111 1.88 1	1.0 0.02 1	7.0 25 10	2.0 0.03 1	--	--	166 166	29 0	2.6					
04/16/75	5701 5701	01N/07E-07E01	M	60 20	F C	8.0	358	26 1.40 38	12 1.22 33	28 1.05 33	.4 0.03	152 2.44 6	4.0 1.9 24	31 87 5	5.0 0.08 1	--	--	120 254	0 1.1						
10/22/74	5701 5701	01N/07E-08F02	M	71 22	F C	7.8	243	5.0 2.5 10	2.0 1.6 83	49 2.13 63	1.1 0.3 1	.6 0.2	138 2.6 92	1.0 0.02 1	10 26 11	2.0 0.03 1	--	--	202 203	21 0	4.7				
01/31/75	5701 5701			7.9	250	4.0 2.0 8	2.0 1.6 6	49 2.13 6	1.0 0.3 85	1.0 0.2 1	.7 0.1	131 1.5 65	1.0 0.02 1	11 31 12	1.0 0.02 1	+19	+2	64.0	198	20 0	5.0				
03/12/75	5701 5701	01N/07E-08M02	M	71 21	F C	7.9	239	4.0 2.0 8	2.0 1.6 7	47 2.04 84	.9 0.2	.7 0.1	126 2.37 85	2.0 0.04 1	10 28 11	2.0 0.03 1	--	--	2 59.0	190	18 0	4.8			
09/12/75	5701 5701			67 14	F C	7.4	240	2.0 1.0 4	6.0 1.9 19	5.2 1.06 76	1.2 0.3	.2 0.1	139 2.28 89	1.0 0.02 1	10 28 11	.0 0.00	--	--	2 55.0	189	28 0	3.6			
10/22/74	5701 5701	01N/07E-08P01	M	70 21	F C	7.7	262	11 2.5 20	4.0 3.3 12	42 1.83 66	2.0 0.5 2	.4 0.1	141 2.31 83	1.0 0.02 1	15 2 15	2.0 0.03	--	--	1 63.0	209 210	44 0	2.8			
02/13/75	5701 5701			60 20	F C	7.9	269	11 2.5 20	4.0 3.3 12	49 1.95 39	1.9 0.2	.7 0.1	128 2.10 80	1.0 0.02 1	16 17 2	3.0 0.05	--	--	1 65.0	205	44 0	2.6			

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN								MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER			
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	H	F	TDS SUM	TH MCM	SAH		
CENTRAL VALLEY REGION																			
SAN JOAQUIN VALLEY																			
SAN JOAQUIN COUNTY																			
01N/07E-16M01																			
01/22/75	5701	69	F	8.0	274	9.0	5.0	45	2.4	1.0	142	.0	16	.0	--	.2	42		
5701	21	C				16	14	68	2	1	33	.00	.45	.00	92.0	210	3.0		
07/02/75	5701	64	F	7.4	268	10	3.0	45	2.2	.8	143	1.0	16	.0	--	.2	38		
5701	21	C				10	.25	1.90	.00	.03	2.14	.02	.45	.00	59.0	190	3.2		
01N/07E-17M01																			
01/22/75	5701	68	F	7.9	289	10	5.0	44	2.2	.7	135	3.0	18	1.0	--	.2	46		
5701	20	C				.50	.41	1.91	.06	.02	2.21	.06	.51	.02	60.0	210	2.8		
01N/07E-17U02																			
03/12/75	5701	70	F	7.4	301	12	5.0	45	1.7	.8	145	.40	14	.0	--	.2	50		
5701	21	C				.60	.41	1.96	.04	.03	2.38	.08	.54	.00	59.0	218	2.8		
07/02/75	5701	68	F	7.4	318	15	4.0	45	2.4	.6	150	5.0	26	.0	--	.1	62		
5701	20	C				.75	.49	1.96	.06	.02	2.46	.10	.73	.00	47.0	223	2.5		
01N/07E-17P01																			
06/11/75	5050	64	F	7.9	336	--	--	22	--	0	138	--	28	--	--	--	120		
0730	5050	18	C			18		.96		.00	2.25		.74	--	--	--	0.9		
01N/07E-18M01																			
04/16/75	5701	68	F	8.0	255	4.0	4.0	42	1.6	.8	135	1.0	14	.0	--	.2	38		
5701	20	C				.42	.33	1.93	.04	.03	2.21	.02	.39	.00	62.0	201	2.9		
01N/07E-18U01																			
09/11/75	5701	68	F	7.6	280	14	4.0	40	1.7	.44	136	1.0	17	4.0	--	.1	50		
5701	20	C				.70	.33	1.74	.04	.01	2.23	.02	.48	.06	47.0	198	2.4		
01N/07E-14U02																			
05/20/75	5701	70	F	7.7	278	10	3.0	47	1.6	.5	153	3.0	10	3.0	--	.1	38		
5701	21	C				.50	.45	2.04	.04	.02	2.51	.06	.28	.05	56.0	204	3.3		
08/21/75	5701	64	F	7.4	270	14	3.0	39	1.5	.6	131	4.0	17	1.0	--	.2	48		
5701	21	C				.70	.25	1.70	.04	.07	2.15	.04	.48	.02	50.0	193	2.5		
01N/07E-18E03																			
08/21/75	5701	69	F	7.4	316	14	4.0	44	1.8	.5	143	1.0	26	.0	--	.2	56		
5701	21	C				.70	.41	1.91	.05	.02	2.34	.02	.73	.00	50.0	213	2.6		
01N/07E-19L01																			
01/22/75	5701	67	F	7.4	279	10	4.0	47	1.6	.8	140	.0	17	.0	--	.2	40		
5701	14	C				.42	.33	2.00	.04	.03	2.29	.00	.48	.00	60.0	209	3.2		
01N/07E-30E01																			
01/22/75	5701	66	F	7.6	428	26	8.0	44	2.4	.44	151	13	38	.0	--	.2	104		
5701	19	C				1.40	.66	1.91	.06	.01	2.15	.27	1.64	.00	50.0	268	1.9		
09/11/75	5701	66	F	7.5	458	33	9.0	44	2.8	.43	131	20	66	.0	--	.2	128		
5701	19	C				1.05	.74	1.91	.07	.01	2.15	.42	1.66	.00	47.0	289	1.8		
01N/08E-15J01																			
06/11/75	5050	66	F	7.3	445	--	--	23	--	0	230	--	24	--	--	--	193		
0915	5050	19	C			--	--	1.00	--	.00	3.77	--	.68	--	--	--	0.7		
01N/09E-16F01																			
06/16/75	5050	66	F	7.3	228	--	--	8.2	--	0	102	--	14	--	--	--	84		
1300	5050	14	C			--	--	.36	--	.00	1.67	--	.39	--	--	--	0.4		
02N/06E-04E01																			
10/02/74	5110	7.8	440	2.50	12	21	4.0	0	214	14	26	10.0	--	--	347	172	0.7		
4957	5110	36		2.50	22	20	2	0.00	3.51	29	.73	.16	--	--	242	0	0.7		
02N/06E-08C01																			
10/02/74	5110	7.7	440	2.35	13	30	3.0	0	256	14	14	7.0	--	--	381	172	1.0		
4957	5110	44		2.22	22	27	2	0.00	4.20	29	.64	.11	--	--	254	0	1.0		
02N/06E-08J02																			
10/02/74	5110	7.6	700	3.79	27	24	4.0	0	207	38	52	44.0	--	--	552	302	0.7		
4957	5110	52		3.79	30	17	1	0.00	4.70	79	1.47	.71	--	--	410	66	0.7		
02N/06E-09J01																			
10/08/74	4203	7.2	429	1.50	12	24	3.9	--	173	10	25	1.0	--	--	299	134	0.9		
4203	4203	42		1.50	10	27	3	--	2.94	.22	.64	.02	--	--	--	--	--		
02N/06E-10C02																			
10/11/75	5050	65	F	7.7	480	--	--	19	--	0	220	--	30	--	--	--	218		
1315	5050	18	C			--	--	.43	--	.00	3.61	--	.85	--	--	--	0.6		

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

MINERAL ANALYSES OF GROUND WATER																											
DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS OF GROUND WATER										MILLIGRAMS PER LITER EQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					TDS SUM	TM NCH	SAR
					Ca	Mg	Na	K	CO3	HCO3	SO4	CL	NO3	H	F	5102	5102	5102	5102								
CENTRAL VALLEY REGION																											
SAN JOAQUIN VALLEY																											
SAN JOAQUIN COUNTY																											
10/03/74	5110 9597	5-22	9-22.01	92N/06E-16003	M	7.3	260	28 1.40 40	9.0 .74 25	16 .70 24	4.0 .10 3	0 .00 3	152 2.49 81	14 .29 9	10 .28 16	1.0 .02 2	--	--	230 157	108 0	0.7						
10/03/74	5110 9597		92N/06E-16E01	M	7.8	380	40 2.00 52	9.0 .74 19	24 1.04 27	3.0 .08 2	0 .00 3	183 3.00 72	19 .40 10	24 .68 16	5.0 .08 2	--	--	304 214	135 0	0.9							
10/23/74	4203 4201		92N/06E-18M01	M	7.6	420	24 1.40 36	12 1.00 25	33 1.44 36	4.3 .11 3	--	161 2.64 64	17 .35 8	41 1.16 16	.1 .00 4	--	--	273 196	124 26	1.3							
10/03/74	5110 9597		92N/06E-17A01	M	7.3	440	48 2.40 51	17 1.40 30	20 .87 18	2.0 .05 1	0 .00 3	201 3.29 69	19 .40 8	32 1.40 19	12.0 .19 4	--	--	349 249	190 26	0.6							
10/01/74	4201 4203		92N/06E-17J01	M	7.5	307	23 1.17 44	7.0 .58 22	21 .91 34	--	--	138 2.26 82	4.5 .09 3	14 .39 14	.6 .01 1	--	--	161 119	88 0	1.6							
10/01/74	5110 9597		92N/06E-19CL1	M	7.8	750	32 1.40 21	7.0 .58 8	123 5.35 71	2.0 .05 1	0 .00 3	250 4.10 53	12 .25 3	120 3.36 44	.0 .00 1	--	--	544 419	107 0	5.1							
10/01/74	5110 9597		92N/06E-19P01	M	7.4	1040	36 1.80 18	10 .82 8	174 7.57 74	3.0 .08 1	0 .00 3	238 3.90 57	5.0 .10 1	232 6.24 62	.0 .00 1	--	--	695 577	132 0	6.6							
10/01/74	5110 9597		92N/06E-19P02	M	7.6	850	28 1.40 16	10 .82 10	143 6.22 73	3.0 .08 1	0 .00 3	256 4.20 69	17 .35 4	140 3.95 46	.0 .00 1	--	--	594 467	110 0	5.9							
10/01/74	4203 4203		92N/06E-20F01	M	7.8	342	26 1.34 38	9.8 .72 20	34 1.50 42	--	--	105 2.70 74	4.5 .09 2	30 .28 16	.5 .01 1	--	--	249 169	104 0	1.5							
10/03/74	5110 9597		92N/06E-20J01	M	7.4	300	19 .45 24	8.0 .86 20	36 1.57 48	3.0 .08 2	0 .00 3	171 2.80 85	7.0 .15 5	12 .34 10	.0 .00 1	--	--	253 169	80 0	1.7							
10/03/74	5110 9597		92N/06E-20L01	M	7.7	650	55 2.74 42	19 1.56 24	49 2.13 32	6.0 .15 2	0 .00 3	207 4.29 83	22 .46 7	72 2.03 30	1.0 .02 1	--	--	480 353	215 1	1.5							
10/08/74	4203 4203		92N/06E-21M02	M	6.3	413	22 1.14 29	11 .93 24	40 1.74 45	4.0 .10 3	--	148 2.39 70	7.5 .16 5	31 .87 25	.3 .00 1	--	--	308 204	104 0	1.7							
10/13/74	5110 9597		92N/06E-21C01	M	7.6	380	35 1.75 40	13 1.07 28	20 .87 23	4.0 .10 3	0 .00 3	189 3.10 76	17 .35 9	22 .82 15	.0 .00 1	--	--	296 204	142 0	0.7							
10/03/74	5110 9597		92N/06E-21C02	M	7.7	560	65 3.24 52	17 1.40 23	35 1.52 25	1.0 .03 2	0 .00 3	256 4.20 66	46 .96 15	44 1.24 14	.0 .00 1	--	--	463 334	232 22	1.0							
10/02/74	5110 9597		92N/06E-21F01	M	7.1	660	78 3.89 52	23 1.89 25	38 1.65 22	2.0 .05 1	0 .00 3	293 4.86 88	41 .85 12	46 1.30 18	.0 .13 2	--	--	527 380	290 30	1.0							
10/03/74	5110 9597		92N/06E-21F02	M	7.9	280	24 1.45 47	8.0 .86 21	21 .87 29	3.0 .08 3	0 .00 3	159 .91 79	14 .29 9	14 .39 12	.0 .00 1	--	--	245 167	105 0	0.9							
05/20/75	5701 5701		92N/06E-21K01	M	65 F 18 C	7.6	383	36 1.80 45	15 1.23 31	20 .87 22	5.0 .13 3	.5 .02 3	188 2.95 74	23 .48 12	20 .56 14	.0 .00 1	--	--	450 253	150 3	0.7						
09/12/75	5701 5701				64 F 21 C	7.1	362	19 1.70 44	4.7 1.23 32	15 1.23 32	4.7 .83 21	.2 .12 3	190 3.11 79	20 .42 11	14 .39 10	2.0 .03 1	--	--	440 246	146 0	0.7						
02/13/75	5701 5701		92N/06E-22P01	M	65 F 18 C	7.8	458	46 2.30 47	20 1.64 34	19 .83 17	4.2 .11 2	.8 .03 1	196 3.21 68	38 .79 17	24 .68 14	1.0 .02 1	--	--	570 306	35 26	0.6						
02/25/75	5701 5701				64 F 21 C	8.0	449	44 2.20 47	19 1.56 33	20 .87 18	4.1 .10 2	1.3 .04	195 3.20 77	38 .68 16	24 .68 14	5.0 .08 2	+25	+6	590 311	190 26	0.6						

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
					CA	MG	NA	K	CU3	MO3	SO4	CL	NO3	PERCENT REACTANCE VALUE	B	F	TDS SUM	TH NCH	SAR

S																			
5-22																			
CENTRAL VALLEY REGION																			
SAN JOAQUIN VALLEY																			
SAN JOAQUIN COUNTY																			
5-22-01																			
02/14/75	5701		M																
	5701			6.1	393	1.90	38	17	18	4.0	1.5	180	30	20	4.0	.00			
						45	33	19	2	1	70								
02/13/75	5701		M																
	5701			6.1	314	1.20	24	8.0	29	3.5	1.3	156	10	15	1.0	--			
						37	21	39	3	1	79								
03/12/75	5701		M																
	5701			7.9	372	1.55	31	14	25	4.0	1.0	101	19	15	.0	--			
						40	30	28	3	1	78								
09/12/75	5701		M																
	5701			7.4	381	1.70	34	15	22	4.5	.3	143	24	15	3.0	--			
						42	31	24	3		77								
10/24/74	5701		M																
	5701			7.9	382	1.80	30	16	25	4.2	.8	144	19	12	3.0	--			
						37	33	27	3	1	80								
04/15/75	5701		M																
	5701			7.6	398	1.50	30	17	25	3.6	.5	140	23	13	6.0	--			
						37	34	27	2		76								
04/15/75	5701		M																
	5701			7.7	360	1.35	27	14	28	3.8	.6	182	18	13	.0	--			
						35	30	32	3	1	80								
10/23/74	5701		M																
	5701			7.9	366	1.45	29	14	25	5.4	1.0	189	16	14	.0	--			
						38	30	28	4	1	81								
05/20/75	5701		M																
	5701			7.9	382	1.70	34	15	25	5.5	1.1	148	20	12	3.0	--			
						41	30	26	3	1	79								
10/23/74	5701		M																
	5701			7.8	391	1.55	31	15	27	5.2	.9	199	16	16	.0	--			
						38	30	29	3	1	80								
02/13/75	5701		M																
	5701			7.8	403	1.70	34	17	27	5.2	.8	201	19	15	.0	--			
						39	32	27	3	1	79								
10/23/74	5701		M																
	5701			7.6	385	1.45	29	12	32	4.6	.5	187	17	17	4.0	--			
						37	25	35	3	1	77								
08/21/75	5701		M																
	5701			7.8	250	1.4	14	5.0	34	2.4	.6	138	6.0	9.0	.0	--			
						26	15	56	2	1	85								
10/01/74	5114		M																
	9597			8.0	440	1.75	15	7.0	84	1.0	0	238	2.0	48	.0	--			
						15	12	73	1		74								
10/01/74	5114		M																
	9597			7.9	680	1.95	19	6.0	130	2.0	0	275	7.0	42	.0	--			
						13	7	79	1		82								
08/21/75	5701		M																
	5701			7.9	270	1.45	9.0	3.0	47	1.6	.8	155	3.0	9.0	.0	--			
						16	9	73	1		88								
08/21/75	5701		M																
	5701			7.8	314	1.0	10	4.0	58	1.4	.8	187	1.0	14	.0	--			
						15	10	74	1	1	87								
08/21/75	5701		M																
	5701			7.6	362	1.30	26	9.0	40	1.6	.5	175	12	23	.0	--			
						34	19	46	1	1	75								
09/12/75	5701		M																
	5701			7.4	305	1.3	13	5.0	45	2.0	.3	163	5.0	11	.0	--			
						165	21	13	64	.05	.01	267	3	10	.00				
03/12/75	5701		M																
	5701			8.0	310	1.2	12	4.0	50	2.1	1.1	162	.0	19	.0	--			
						19	10	69	2	1	82								
03/12/75	5701		M																
	5701			7.7	481	1.25	31	15	50	2.1	.8	236	15	31	.0	--			
						31	25	44	1	1	76								

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

MINERAL ANALYSES OF GROUNDWATER																			
DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN PERCENT	MILLIGRAMS PER LITER										MILLIGRAMS PER LITER				
					CA	MG	NA	K	CO3	NO3	SO4	CL	NO3	VALUE	B	F	TDS SUM	TM NCM	SAR
CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY																			
05/21/75	5701	5-22.01 02N/06E-34001	M 67 F 19 C	7.7	517	44 2,20 41	19 1,56 29	34 1,48 28	5.3 .14 3	.7 .02	202 3,31 61	35 .73 13	23 45.0 12	45.0 .73 13	--	.1 50.0	355	188 22	1.1
05/20/75	5701	02N/06E-34001	M 67 F 19 C	7.7	239	14 .70 28	4.0 .33 13	33 1.44 57	2.7 .07 3	.4 .01	131 2.15 69	.0 .00	8.0 .48 10	1.0 .02 1	--	.3 48.0	176	50 0	2.0
03/18/75	5701	02N/06E-34002	M 67 F 19 C	7.9	275	14 .70 25	5.0 .41 15	37 1.61 58	1.5 .04 1	.7 .02	133 2.18 80	2.0 .04 1	17 .48 18	1.0 .02 1	.07	.2 57.0	201	54 0	2.2
03/12/75	5701	02N/06E-34001	M 68 F 20 C	7.6	834	57 2,04 37	28 2,30 30	58 2,52 32	4.0 .10 1	.6 .02	136 2,23 29	13 2.7 4	179 5.05 67	.0 .00	--	.1 57.0	463	256 145	1.6
09/10/75	5701	02N/06E-34002	M 69 F 21 C	7.6	573	36 1.00 33	17 1.40 26	50 2.18 40	3.2 .08 1	.4 .01	134 2.20 41	1.0 .02	110 3.10 56	.0 .00	--	.3 46.0	329	160 50	1.7
04/19/75	5701	02N/06E-35001	M 68 F 20 C	7.9	382	30 1.50 39	14 1.15 30	25 1.09 28	5.0 .14 4	1.0 .03	179 2.93 74	22 .46	15 .42 11	6.0 .10 3	--	.1 65.0	272	134 0	0.9
08/21/75	5701	02N/06E-36401	M 68 F 20 C	7.4	378	37 1.85 46	16 1.32 46	17 .74 18	6.0 .15 4	.3 .01	195 3,20 80	14 .29	14 .39 7	8.0 .13 10	--	.1 57.0	265	158 0	0.6
09/11/75	5701	02N/06E-36401	M 65 F 18 C	7.5	376	34 1.70 42	17 1.40 35	18 .78 19	6.4 .16 4	.4 .01	200 3,28 62	13 .27	12 .34 8	7.0 .11 3	--	.1 59.0	265	156 0	0.6
04/15/75	5701	02N/06E-36001	M 70 F 21 C	7.7	335	27 1.35 36	14 1.15 33	21 .91 26	4.3 .11 3	.6 .02	177 2,90 1	13 .27 8	10 .28 9	6.0 3	--	.1 61.0	244	126 0	0.8
12/20/74	5701	02N/06E-36001	M 68 F 20 C	7.6	218	14 .70 28	7.0 .58 23	27 1.17 46	2.7 .07 3	.3 .01	126 2.07 86	4.0 .08	8.0 .23 3	1.0 .02	--	.1 64.0	190	63 0	1.5
04/11/75	5701	02N/06E-36001	M 67 F 19 C	7.9	249	16 .80 31	8.0 .06 26	24 1.04 40	2.8 .07 3	.7 .02	133 2.18 1	6.0 .12	10 .28 5	3.0 .05	.02	.2 56.0	192	74 0	1.2
08/21/75	5701	02N/06E-36403	M 68 F 20 C	7.6	412	42 2,10 40	17 1.40 32	18 .78 18	5.0 .13 3	.6 .02	214 3,51 80	18 .37	11 .31 7	10.0 .16	--	.1 53.0	280	176 0	0.6
07/02/75	5701	02N/06E-36003	M 76 F 21 C	7.5	395	36 1,80 44	17 1,40 34	18 .78 19	5.1 .13 3	.4 .01	185 3,03 73	13 .27	19 .54 13	18.0 .29 7	--	.1 55.0	272	162 8	0.6
10/01/74	5110 9597	02N/07E-07002	M 7.7	400	41 2,35 45	20 1,04 36	17 .74 16	5.0 .13 3	0 .00	232 3,60 30	24 .50 11	12 .34 7	4.0 .06 1	--	--	--	350 237	185 0	0.5
06/11/75	5050 1130	02N/07E-12002	M 64 F 18 C	7.5 8.0	717 696	-- --	-- --	29 1,26 17	-- --	0 .00	300 4.92	-- --	22 .62	-- --	--	--	--	949	0.7
06/11/75	5050 1215	02N/07E-20E04	M 67 F 19 C	7.5 8.1	355 348	-- --	-- --	18 .78 21	-- --	0 .00	181 2.97	-- --	8.0 .23	-- --	--	--	--	146	0.6
06/11/75	5050 1015	02N/08E-21001	M 67 F 19 C	7.5 7.9	249 249	-- --	-- --	14 .61 24	-- --	0 .00	147 2.41	-- --	5.2 .15	-- --	--	--	--	98	0.6
10/01/74	5110 9597	03N/06E-15005	M 7.8	430	42 2,10 44	18 1,48 31	23 1,00 3	6.0 .15 3	0 .00	226 3,70 76	16 .33	20 .58 14	16.0 .26 5	--	--	--	161 252	190 0	0.7
06/11/75	5050 1345	03N/06E-17003	M 67 F 19 C	7.3 8.0	443 441	-- --	-- --	30 1,31 26	-- --	0 .00	244 4.00	-- --	12 .34	-- --	--	--	--	183	1.0
06/11/75	5050 1445	03N/06E-15402	M 7.3 7.6	173 171	-- --	-- --	-- --	19 .83 7	-- --	0 .00	82 1.34	-- --	7.5 .21	-- --	--	--	--	47	1.2

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER H F TDS TH SAR				
				CA	MG	NA	K	CU3	HC03	SO4	CL	NO3		H	F	TDS SUM	TH NCH	SAR
CENTRAL VALLEY REGION SAN JOAQUIN VALLEY																		
SAN JOAQUIN COUNTY																		
06/12/75 0730	5050 5050	5-22 5-22-01 04N/05E-24J03	M 64 F 7.7 474 16 C 7.6 476	--	--	40 1.74 33	--	0 +00	273 4+7	--	9.0 2.0	--	--	--	--	--	174	1.3
06/12/75 0815	5050 5050	04N/06E-16H07	M 62 F 7.3 250 17 C 7.4 252	--	--	16 +70 27	--	0 +00	140 2+24	--	4.7 +13	--	--	--	--	--	97	0.7
10/01/74	5110 9597	04N/06E-34E05	M 7.4 190	10 +90 38	10 +82 35	13 +57 24	2.0 +05 2	0 +00	110 73	16 13	8.0 +23 4	7.0 +11	--	--	--	182 128	65 0	0.6
06/12/75 1000	5350 5050	04N/11E-15E01	M 66 F 7.1 340 19 C 7.4 341	--	--	20 +87 25	--	0 +00	146 2.34	--	2+ +08	--	--	--	--	--	128	0.8
06/12/75 0915	5050 5050	04N/07E-29E02	M 65 F 7.3 259 18 C 7.3 213	--	--	15 +65 31	--	0 +00	45 1.56	--	10 +28	--	--	--	--	--	73	0.8
06/11/74 1530	5050 5050	04N/08E-22K02	M 71 F 7.1 243 22 C 7.6 240	--	--	14 +61 26	--	0 +00	119 1.95	--	10 +43	--	--	--	--	--	88	0.6
06/12/75 1130	5050 5050	05N/08E-26P01	M 71 F 7.3 139 22 C 7.1 135	--	--	12 +52 40	--	0 +00	63 1.43	--	6.0 +19	--	--	--	--	--	39	0.8
06/17/75 1400	5050 5050	06N/06E-33J02	M 67 F 7.3 199 19 C 7.6 199	--	--	16 +70 35	--	0 +00	85 1.34	--	10 +28	--	--	--	--	--	65	0.9
06/10/75 0730	5050 5050	01S/06E-23C02	M 66 F 7.7 589 14 C 6.1 547	--	--	63 2.74 50	--	0 +00	147 2.41	--	107 3.12	--	--	--	--	--	134	2.3
10/02/74	5110 9597	01C/06E-23L01	M 7.6 2200	190 9.48 40	45 4.03 17	231 10.05 42	9.0 +23 1	0 +00	420 6.88 28	65 1.35 6	508 15.74 05	18.0 +29 1	--	--	--	1531 1327	674 332	3.9
10/02/74	5110 9597	01E/06E-25M02	M 7.0 420	39 1.95 43	10 +02 18	98 1.65 37	4.0 +19 2	0 +00	108 2.75 62	12 +25 6	45 1.27 3	4.0 +15	--	--	--	321 240	135 1	1.4
10/02/74	5110 9597	01S/06E-26D02	M 7.7 1790	48 4.69 27	24 1.97 11	259 11.27 62	5.0 +13 1	0 +00	473 7.75 43	82 1.71 9	310 8.46 00	18.0 +29 2	--	--	--	1254 1014	345 0	6.1
10/01/74	5110 9597	01S/06E-26L01	M 7.0 1230	110 5.44 47	23 1.84 16	95 4.13 35	7.0 +17 2	0 +00	231 3.79 32	26 +54 5	258 7.42 01	21.0 +34 3	--	--	--	764 654	368 180	2.2
10/03/74	5110 9597	01S/06E-35D01	M 7.7 1730	148 7.39 46	26 2.14 13	150 6.53 40	6.0 +13 1	0 +00	292 4.62 28	43 3.96 5	348 13.03 00	2.0 +05	--	--	--	1040 903	475 246	3.0
10/02/74	5110 9597	01S/06E-35E04	M 7.7 2000	100 6.98 43	40 3.29 16	200 8.70 41	6.0 +15 1	0 +00	407 6.38 20	190 3.46 18	462 16.94 00	15.0 +24 1	--	--	--	1354 1224	612 394	3.5
06/11/75 0810	5050 5050	01S/07E-21G01	M 66 F 7.7 397 19 C 7.4 404	--	--	25 1.09 29	--	0 +00	40 1.48	--	13 +37	--	--	--	--	--	132	0.9
06/10/75 1540	5050 5050	01S/08E-16H01	M 68 F 7.5 365 20 C 6.3 363	--	--	22 +56 25	--	0 +00	193 3.18	--	11 +31	--	--	--	--	--	147	0.8
06/10/75 1500	5050 5050	01C/09E-16P02	M 66 F 7.3 582 20 C 8.1 586	--	--	27 1.17 19	--	0 +00	306 5.02	--	24 +60	--	--	--	--	--	251	0.7
06/10/75 0900	5050 5050	02S/04E-16A01	M 67 F 7.5 2870 19 C 8.0 2960	--	--	352 15.31 51	--	0 +00	347 5.69	--	604 17.03	--	--	--	--	--	730	5.7
06/10/75 1000	5050 5050	02S/05E-25D02	M 66 F 7.5 1540 19 C 7.8 1590	--	--	118 5.13 32	--	0 +00	197 3.23	--	245 6.91	--	--	--	--	--	642	2.2

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE# LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER						
					CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	8	F	TDS SUM	TH NCM	SAR	
CENTRAL VALLEY REGION																			
SAN JOAQUIN VALLEY																			
SAN JOAQUIN COUNTY																			
11/08/74	5050	68.5F	6.0	74.6	25	12	109	1.0	0	162	137	147	40	1.8	.50	--	464	110	
1640	5050	20.3C	6.1		1.25	.99	4.74	.05	.00	2.66	3.06	1.35	.03			--	425	0	4.5
025/06E-20X01																			
11/28/74	5050	70 F	6.0	2780	171	12	109	1.0	0	109	137	147	40	1.8	.70	--	1580	836	
1515	5050	21 C	7.0		8.53	8.14	8.44	.16	.00	1.79	2.05	20.33	.06			--	1386	745	2.9
025/06E-20L01																			
11/08/74	5050	72 F	6.0	1470	65	37	160	3.9	0	120	150	284	3.7	.80	--	--	850	314	
1730	5050	22 C	6.0		3.24	3.04	6.96	.10	.00	1.97	3.12	8.01	.06			--	763	216	3.9
025/06E-20H01																			
11/08/74	5050	68 F	7.9	881	46	21	94	2.5	0	147	154	84	.1	.40	--	--	549	200	
1615	5050	20 C	7.4		2.30	1.73	4.09	.06	.00	2.41	3.21	2.51	.00			--	479	81	2.9
025/06E-20H03																			
11/08/74	5050	68.5F	6.0	810	44	18	91	2.5	0	144	162	67	2.1	.40	--	--	510	182	
1634	5050	20.3C	6.0		2.20	1.48	3.96	.06	.00	2.36	3.37	1.89	.03			--	458	66	2.9
025/07E-07X01																			
06/10/75	5050	68 F	7.5	547	54	18	30	3.6	0	259	25	14	36.0	.10	--	--	370	219	
1215	5050	18 C	6.1	352	2.44	1.44	1.31	.04	.00	4.25	4.92	1.39	.61	--	--	--	315	9	0.9
025/09E-15P01																			
06/10/75	5050	67 F	6.1	197	--	--	15	--	0	141	--	6.6	--	--	--	--	68	0.8	
1415	5050	14 C	7.7	199	--	--	.65	--	.00	1.66	--	.19	--	--	--	--	--	--	
025/09E-19H02																			
06/16/75	5050	68 F	7.3	255	--	--	14	--	0	87	--	3.4	--	--	--	--	93	0.6	
1115	5050	14 C	7.3	256	--	--	.61	--	.00	1.43	--	.11	--	--	--	--	--	--	
045/06E-09D01																			
06/10/75	5050	7.7	603	--	--	42	--	0	104	--	55	--	--	--	--	--	214	1.2	
1045	5050	6.0	610	--	--	1.83	--	.00	3.02	--	1.55	--	--	--	--	--	--	--	
S-22+51																			
EAST CONTRA COSTA AREA																			
06/24/75	5050	7.5	1300	--	--	118	--	0	316	--	100	--	--	--	--	--	383	2.6	
1230	5050	6.2	1200	--	--	5.13	--	.00	5.10	--	4.51	--	--	--	--	--	--	--	
025/07E-20A01																			
06/24/75	5050	67 F	7.3	1675	77	55	158	4.9	0	328	144	215	55.0	.50	--	--	950	419	
1100	5050	14 C	6.2	1520	3.88	4.52	6.97	.13	.00	5.38	3.00	6.00	.89	--	--	--	871	149	3.4
015/03E-15A01																			
06/24/75	5050	69 F	7.6	3750	--	--	600	--	0	304	--	770	--	--	--	--	184	19.2	
1315	5050	21 C	6.1	3050	--	--	26.10	--	.00	5.05	--	21.94	--	--	--	--	--	--	
S-70																			
LOWER LAKE																			
06/12/75	5050	65.0F	6.3	230	15	9.8	16	.2	0	81	29	5.4	4.1	.00	--	--	160	78	
1350	5050	19.3C	6.2	226	.75	.81	.70	.01	.00	1.33	.60	.15	.07	--	--	--	119	12	0.8
025/07E-01M02																			
06/12/75	5050	61.0F	6.5	350	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1400	5050	16.1C	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
015/07E-13H01																			
06/12/75	5050	60.0F	6.5	680	--	--	--	--	4.0	346	--	13	--	--	--	--	195	--	
1315	5050	15.5C	6.4	543	--	--	--	--	.13	5.07	--	.37	--	--	--	--	--	--	
025/07E-14F02																			
06/12/75	5050	68.0F	7.1	3000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1325	5050	20.0C	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS 1% PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				
				CA	MG	NA	K	CO3	HCO3	SU4	CL	NO3		H	F	TDS SUM	TH MG	SAR					
LA MOUNTAIN REGION SURPRISE VALLEY																							
08/14/75 0745	9050 5050	40N/16E-11001	M 55.0F 12.4C	7.8 8.3	235 207	23 1.15	21 22	6.2 25	13 25	1.5 2	0 0.6	140 107	2.13 94	3.3 3	1.2 1	2.0 1	.00 --	-- --	137 114	83 0	0.6		
08/14/75 0815	5050 5050	40N/16E-36F01	M 57.0F 13.9C	7.1 8.3	400 364	-- --	-- --	-- --	0 0.0	221 3.62	-- 95	3.2 1.1	6.2 10 3	-- --	-- --	-- --	-- --	-- --	145				
08/14/75 0830	5050 5050	40N/16E-36G01	M 55.0F 12.4C	7.2	325	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
08/13/75 1450	5050 5050	41N/16E-09402	M 56.0F 13.3C	8.0	265	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
08/13/75 1505	5050 5050	41N/16E-25C03	M 56.0F 14.4C	8.1 8.1	220 202	-- --	-- --	-- --	0 0.0	82 1.34	-- 88	6.1 1.7	1.6 10 1	-- --	-- --	-- --	-- --	-- --	24				
08/14/75 0730	5050 5050	41N/16E-35F01	M 76.0F 24.4C	7.0	150	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
08/14/75 0930	5050 5050	42N/16E-04P01	M 59.0F 15.0C	7.2 8.5	320 296	28 1.40	9.0 24	24 1.04	7 33	5.0 1	156 2.55	11 23	3.0 10 3	5.0 3	.00 --	-- --	-- --	190 163	107 0	1.0			
08/13/75 1055	5050 5050	42N/16E-05F01	M 56.0F 13.3C	7.9	320	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
08/13/75 1230	5050 5050	42N/16E-04E01	M 57.0F 13.9C	7.7	305	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
08/13/75 1300	5050 5050	42N/16E-08W02	M 57.0F 14.9C	7.2 8.1	295 273	-- --	-- --	-- --	0 0.0	105 2.70	-- 94	1.0 0.5	7.6 12 4	-- --	-- --	-- --	-- --	-- --	114				
08/13/75 1345	5050 5050	42N/16E-29W02	M 56.0F 16.9C	7.7	222	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
08/13/75 1400	5050 5050	42N/16E-29G01	M 56.0F 11.1C	7.1	195	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
08/13/75 1410	5050 5050	42N/16E-34F01	M 69.0F 20.5C	8.1	345	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
08/13/75 1105	5050 5050	43N/16E-08U01	M 66.0F 16.9C	7.0	325	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
08/13/75 1020	5050 5050	43N/16E-20H01	M 58.0F 14.4C	7.8 8.5	320 305	27 1.35	1.1 3	41 1.78	1.1 63	6.0 2.0	176 2.88	4.9 10	3.3 10 3	5.0 3	.10 --	-- --	-- --	193 176	72 0	2.1			
08/13/75 1035	5050 5050	43N/16E-32F01	M 74.0F 24.4C	8.1	320	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
08/13/75 1045	5050 5050	43N/16E-33H03	M 63.0F 17.4C	7.4 8.4	490 459	-- --	-- --	-- --	3.0 1.0	253 4.15	-- --	6.0 1.4	18.0 29	-- --	-- --	-- --	-- --	-- --	192				
08/14/75 1030	5050 5050	43N/17E-20D01	M 65.0F 18.3C	8.2 8.4	645 610	-- --	-- --	-- --	4.0 1.3	182 2.98	-- --	4.7 1.3	5.7 99	-- --	-- --	-- --	-- --	-- --	28				
08/14/75 1010	5050 5050	43N/17E-21J01	M 75.0F 23.9C	8.5	400	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
08/13/75 0950	5050 5050	44N/16E-31R01	M 53.0F 11.7C	6.9	460	--	--	--	--	--	--	--	--	--	--	--	--	--	--				

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN								MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
					CA	MG	NA	K	CO3	MC03	SO4	CL	NO3		B	F	TDS SUM	TH NCH				
LAHUNTAN REGION HONEY LAKE VALLEY																						
07/23/75 1115	505n	26N/16E-15E03	M	7.0	670	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/23/75 1140	505n	26N/17E-18H01	M	7.1	940	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/22/75 1600	505n	27N/14E-06C01	M	6.8	350	40	7.0	12	3.3	3.0	146	10	8.3	13.0	.00	--	208	129	5	0.5		
					15.5C	8.4	307	2.0V	58	18	52	108	3	2.39	76	21	23	21				
07/23/75 1350	505n	27N/14E-26E01	M	6.5	190	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
					15.0C																	
07/23/75 1415	505n	27N/14E-26F05	M	6.8	170	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
					17.2C																	
07/23/75 1310	505n	27N/15E-25K01	M	7.5	650	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
					16.1C																	
07/23/75 1255	505n	27N/16E-30M01	M	8.0	610	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
					16.1C																	
07/22/75 1425	505n	28N/14E-06H01	M	7.3	420	--	--	--	6.0	190	--	13	23.0	--	--	--						30
					21.6C	8.5	422		20	3.11		37	37									
07/22/75 1450	505n	28N/14E-06A01	M	7.5	390	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
					17.6C																	
07/22/75 1510	505n	28N/14E-17H01	M	7.2	960	73	15	74	6.4	0	417	27	19	14.0	.10	--	471	245	0	2.1		
					13.9C	8.3	736	3.04	1.23	3.22	16	56	34	23			434					
07/22/75 1525	505n	28N/14E-17H02	M	7.4	375	26	5.4	33	1.1	0	153	21	8.2	3.1	.00	--	178	87	0	1.5		
					17.2C	8.3	311	1.30	44	1.44	33	44	23	3.05			173					
07/22/75 1615	505n	28N/16E-25L01	M	6.8	210	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
					16.1C																	
07/16/75 1020	505n	28N/17E-18K01	M	6.1	270	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
					17.2C																	
07/16/75 1515	505n	29N/12E-02P06	M	7.5	485	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
					14.4C																	
07/17/75 1130	505n	29N/12E-04G01	M	7.9	655	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
					26.1C																	
07/15/75 0900	505n	29N/12E-15A01	M	6.8	230	14	6.9	15	1.5	0	119	3.6	2.7	5.0	.10	--	149	76	0	0.8		
					14.4C	8.3	205	1.5	29	3	145	3.7	3.8	3.08			112					
07/22/75 1130	505n	29N/13E-01V01	M	7.6	745	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
					15.0C																	
07/16/75 0745	505n	29N/13E-04H01	M	7.7	230	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
					25.5C																	
07/15/75 1045	505n	29N/13E-16A03	M	7.3	3600	--	--	--	4.0	334	--	78	5.0	--	--	--	973					
					16.1C	8.4	3230		13	5.47		220	92									
07/15/75 1000	505n	29N/13E-17C05	M	7.2	460	--	--	--	0	166	--	10	2.5	--	--	--	131					
					13.3C	8.3	410		99	1		28	34									

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE# LAB	TEMP LABORATORY	FIELD PH	EC	MINERAL CONSTITUENTS IN								MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
					CA	MG	NA	K	CO3	MG03	SO4	CL	NO3	B	F	TDS SUM	TH	SAR				

A-04		LANCHTAN REGION																				
24N/13E-23F01		MONEY LAKE VALLEY																				
07/22/75 1230	5050	58.0F 14.4C	7.4	310	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
07/17/75 0830	5050 5050	70.0F 21.1C	7.6 6.6	705 677	--	--	--	--	10 33	306 5.02	--	20 7.6	12 1.2	--	--	--	--	--	43			
07/22/75 1300	5050 5050	59.0F 15.0C	8.1 6.8	1080 961	7.4 3.6	2.7 2	202 8.79	5.9 15	25 93	385 6.31	79 1.04	21 1.7	10.0 1.6	4.20 6	--	--	646 546	29 0	16.2			
07/22/75 1200	5050	51.0F 13.4C	7.7	1250	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
07/22/75 1245	5050 5050	61.0F 16.1C	7.5 6.7	1700 1580	--	--	--	--	24 8.0	435 7.13	--	29 1.02	95.0 1.53	--	--	--	--	--	91			
07/22/75 1310	5050 5050	66.0F 14.4C	7.5 6.7	1320 1220	--	--	--	--	30 1.00	476 7.80	--	39 1.10	40.0 1.65	--	--	--	--	--	171			
07/22/75 1325	5050	56.0F 13.3C	7.8	2200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
17/16/75 1300	5050	62.0F 16.7C	8.2	1070	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
07/16/75 1130	5050 5050	63.0F 26.3C	8.0 8.3	315 316	6.4 3.4	1.9 11	53 2.31	9.0 2.23	0 6	114 1.87	29 1.80	17 1.16	1.1 1.02	1.30 1	--	--	213 174	25 0	4.6			
07/17/75 1100	5050 5050	63.0F 17.2C	7.1 6.4	520 451	--	--	--	--	2.0 1.07	146 3.41	--	7.6 1.21	9.8 1.16	--	--	--	--	--	157			
A-05		TAHOLE VALLEY																				
12N/18E-03A01		SOUTH TAHOLE VALLEY																				
05/07/75 1400	5050 5050	54 F 12 C	6.5 7.2	97 100	11 3.5	1.3 13	3.5 1.1	1.2 1.15	0 1.03	44 8.0	1.0 2	4.0 1.2	3.0 1.6	1.00 1.05	--	--	81 47	32 0	0.3			
05/07/75 1300	5050 5050	45 F 7 C	6.7 7.4	114 120	13 6.0	2.7 2.0	3.8 1.7	2.0 1.15	0 1.08	66 9.8	1.3 1	1.2 1.3	1.0 1.00	1.00 1.00	--	--	96 55	44 0	0.3			
05/07/75 0930	5050 5050	43 F 6 C	7.7 7.3	76 77	7.0 3.5	2.6 2.1	2.5 1.1	1.4 1.04	0 1.0	44 7.2	1.0 1.00	1.4 1.01	1.0 1.00	1.00 1.00	--	--	67 36	28 0	0.2			
09/03/75 1430	5050 5050	50 F 16 C	7.1 7.4	145 144	--	--	7.2 3.1	--	0 1.34	62 1.01	--	1.5 1.01	--	--	--	--	--	58	0.4			

TABLE E-2

MINOR ELEMENT ANALYSIS OF GROUND WATER

Sampler and Lab Agency Codes

5050	-	California Department of Water Resources
5701	-	California Water Service Company

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
EC	-	Electrical conductance in micromhos at 25 ^o Celsius
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)
PH	-	Measure of acidity (<7) or alkalinity (>7) of water
CHROM (ALL)	-	All chromium
CHROM (HEX)	-	Hexavalent chromium
D	-	Dissolved
T	-	Total

TABLE E-2 (CONTINUED)
MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP °F	ARSENIC	CONSTITUENTS IN MILLIGRAMS			PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC					
						NITRUM CAIUMIUM	CHROMIUM (ALL)	CHROMIUM (HEX)									
CENTRAL VALLEY REGION																	
RIO VALLEY																	
08/12/75 0855	5050 5050		245	64.5 F 7.0	--	0.00	T	--	0.02 1.3	T	0.00 0.76	-- T	-- 0.02	T			
FALL RIVER VALLEY																	
08/11/75 1150	5050 5050		225	62.0 F 6.3	--	0.00	T	--	0.00 0.00	T	0.00 0.00	T	-- T	-- 0.00	T		
COYOTE VALLEY																	
06/10/75 1630	5050 5050		600	7.4	0.00	T	--	--	0.12 12.	T	0.10 0.17	T	-- T	-- T	6.7	T	
COLLADAY VALLEY																	
06/10/75 1315	5050 5050		167	64.8 F 6.8	0.00	T	--	--	0.01 0.16	T	0.00 0.02	T	-- T	-- T	0.01	T	
SACRAMENTO VALLEY																	
TENAMA COUNTY																	
06/05/75 1200	5050 5050		605	71.0 F 6.8	--	0.00	T	--	0.02 0.05	T	0.00 0.01	T	-- T	-- T	0.73	T	
COLUSA COUNTY																	
06/02/75 1155	5050 5050		435	70.0 F 7.4	--	0.00	T	--	0.00 0.22	T	0.00 0.01	T	-- T	-- T	0.00	T	
YUBA COUNTY																	
06/04/75 1210	5050 5050		1040	76.0 F 7.4	--	0.00	T	--	0.00 7.10	T	0.00 0.79	T	-- T	-- T	0.02	T	
YUBA COUNTY																	
06/04/75 1215	5050 5050		288	68.8 F 7.1	0.00	T	--	--	0.00 0.02	T	0.00 0.00	T	-- T	-- T	0.03	T	
YUBA COUNTY																	
03/05/75 5701	5701 5701		422	62.8 F 7.6	--	--	--	--	0.00 0.00	T	-- 0.00	T	-- T	-- T	0.00	T	
05/20/75 5701	5701 5701				0.002	T	0.01 0.005	T	0.002	T	--	0.000 0.000	T	-- T	-- T	--	T
YUBA COUNTY																	
05/13/75 5701	5701 5701		485	63.8 F 7.5	--	--	--	--	0.00 0.00	T	-- 0.00	T	-- T	-- T	0.03	T	
YUBA COUNTY																	
08/19/75 5701	5701 5701		238	62.8 F 7.4	--	--	--	--	0.00 0.04	T	-- 0.09	T	-- T	-- T	0.03	T	
YUBA COUNTY																	
07/01/75 5701	5701 5701		530	64.8 F 7.5	--	--	--	--	0.00 0.22	T	-- 0.05	T	-- T	-- T	0.02	T	
YUBA COUNTY																	
08/19/75 5701	5701 5701		544	64.8 F 7.5	--	--	--	--	0.02 0.00	T	-- 0.11	T	-- T	-- T	0.07	T	
YUBA COUNTY																	
05/12/75 5701	5701 5701		337	64.8 F 7.7	--	--	--	--	0.00 0.00	T	-- 0.00	T	-- T	-- T	0.03	T	
08/21/75 5701	5701 5701				0.003	T	0.000	T	0.002	T	--	0.000 0.000	T	-- T	-- T	--	T
YUBA COUNTY																	
05/13/75 5701	5701 5701		425	63.8 F 7.4	--	--	--	--	0.00 0.00	T	-- 0.00	T	-- T	-- T	0.00	T	
YUBA COUNTY																	
08/19/75 5701	5701 5701		378	63.8 F 7.7	--	--	--	--	0.02 0.06	T	-- 0.26	T	-- T	-- T	0.03	T	
YUBA COUNTY																	
03/05/75 5701	5701 5701		468	62.8 F 7.6	--	--	--	--	0.00 0.00	T	-- 0.00	T	-- T	-- T	0.00	T	
YUBA COUNTY																	
06/05/75 0715	5050 5050		277	67.8 F 7.7	0.00	T	--	--	0.01 0.10	T	0.00 0.28	T	-- T	-- T	0.00	T	

TABLE E-2 (CONTINUED)
MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH FC	TEMP PH	ARSENIC	CONSTITUENTS IN MILLIGRAMS BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
CENTRAL VALLEY REGION SACRAMENTO VALLEY PLACER COUNTY											
5-21.27 11N/06E-34R01 M											
06/04/75	5850			70 F		--	--	0.00 T	0.01 T	--	--
0730	5050		276	6.9	0.00 T	--	--	0.04 T	0.00 T	--	0.01 T
13N/05E-24R01 M											
06/04/75	5150			67 F		--	--	0.00 T	0.00 T	--	--
1050	5050		269	7.1	0.00 T	--	--	0.02 T	0.00 T	--	0.01 T
5-21.09 10N/02W-26M01 M YOLO COUNTY											
06/20/75	5150			70 F		--	--	0.00 T	0.00 T	--	--
0930	5350		714	7.5	0.00 T	--	--	0.03 T	0.00 T	--	0.01 T
5-21.11 07N/01E-14G02 M SOLANO COUNTY											
09/03/75	5701			68 F		--	--	0.00 T	--	--	--
5701		550		7.9	--	--	--	0.00 T	0.00 T	--	0.00 T
07N/01E-14J01 M											
06/24/75	5701			66 F		--	0.038 T	0.00 T	0.000 T	0.0005 T	--
5701		937		8.8	--	0.000 T	--	0.00 T	0.00 T	--	0.00 T
07N/01E-23A02 M											
03/04/75	5701			66 F		--	0.034 T	0.00 T	--	--	--
5701		1120		7.6	--	--	--	0.00 T	0.00 T	--	0.00 T
07N/01E-23A04 M											
03/04/75	5701			67 F		--	0.019 T	0.01 T	--	--	--
5701		605		7.9	--	--	--	0.00 T	0.00 T	--	0.03 T
07N/01E-23B02 M											
06/23/75	5701			67 F		--	0.025 T	0.01 T	--	--	--
5701		753		7.9	--	--	--	0.00 T	0.00 T	--	0.02 T
07N/01E-24C02 M											
06/23/75	5701			66 F		--	0.036 T	0.00 T	--	--	--
5701		955		7.6	--	--	--	0.00 T	0.00 T	--	0.01 T
07N/02E-06N01 M											
05/21/75	5050			68.5 F		--	--	0.00 T	0.01 T	--	--
1130	5050		670	8.1	0.00 T	--	--	0.18 T	0.00 T	--	0.05 T

TABLE E-2 (CONTINUED)
MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	CONSTITUENTS		IN WILLIS CHROM (HEX)	PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
						BARIUM CADMIUM	CHROM (HEX)					
CENTRAL VALLEY REGION SAN JOAQUIN VALLEY												
SAN JOAQUIN COUNTY												
5-22-01												
04/18/75	5701			68 F 7.8	--	--	--	--	0.00 T 0.00 T	-- 0.00 T	--	-- 0.03 T
01N/06E-01M01 M												
05/20/75	5701			68 F 7.8	--	--	--	--	0.00 T 0.05 T	-- 0.09 T	--	-- 0.04
01N/06E-02M01 M												
05/20/75	5701			69 F 8.6	--	--	--	--	0.06 T 0.06 T	-- 0.11 T	--	-- 0.10 T
09/10/75	5701			70 F 7.7	--	--	--	--	0.00 T 0.04 T	-- 0.04 T	--	-- 0.04 T
01N/06E-02001 M												
02/13/75	5701			70 F 8.1	--	--	--	--	0.00 T 0.04 T	-- 0.10 T	--	-- 0.04 T
01N/06E-03C01 M												
05/20/75	5701			69 F 7.7	--	--	--	--	0.00 T 0.09 T	-- 0.11 T	--	-- 0.04 T
09/10/75	5701			69 F 7.7	0.030 T	0.13 T 0.060 T	0.002 T	0.00 T 0.18 T	0.000 T 0.17 T	0.000 T 0.000 T	0.01 T	
01N/06E-11K01 M												
01/22/75	5701			70 F 7.9	--	--	--	--	0.00 T 0.06 T	-- 0.18 T	--	-- 0.02 T
09/11/75	5701			70 F 7.3	--	--	--	--	0.00 T 0.12 T	-- 0.23 T	--	-- 0.00 T
01N/06E-12A01 M												
04/16/75	5701			67 F 7.9	--	--	--	--	0.00 T 0.00 T	-- 0.01 T	--	-- 0.00 T
01N/06E-12C09 M												
03/12/75	5701			69 F 8.1	--	--	--	--	0.00 T 0.09 T	-- 0.15 T	--	-- 0.00 T
09/10/75	5701			72 F 7.4	0.035 T	0.34 T 0.060 T	0.002 T	0.00 T 0.02 T	0.000 T 0.39 T	0.000 T 0.000 T	0.01 T	
01N/06E-12C10 M												
03/12/75	5701			69 F 7.8	--	--	--	--	0.00 T 0.08 T	-- 0.08 T	--	-- 0.02 T
09/11/75	5701			65 F 7.3	--	--	--	--	0.00 T 0.04 T	-- 0.15 T	--	-- 0.02 T
01N/06E-12C11 M												
09/10/75	5701			72 F 7.4	--	--	--	--	0.01 T 0.22 T	-- 0.22 T	--	-- 0.02 T
01N/06E-12F01 M												
10/22/74	5701			71 F 7.7	--	--	--	--	0.00 T 0.14 T	-- 0.10 T	--	-- 0.03 T
01N/06E-12K03 M												
01/22/75	5701			68 F 7.9	0.0220 T	--	--	--	0.00 T 0.08 T	-- 0.14 T	--	-- 0.05 T
01N/06E-12N01 M												
01/22/75	5701			68 F 7.8	--	--	--	--	0.00 T 0.08 T	-- 0.24 T	--	-- 0.02 T
09/11/75	5701			69 F 7.6	--	--	--	--	0.00 T 0.20 T	-- 0.38 T	--	-- 0.02 T
01N/06E-13G02 M												
02/13/75	5701			68 F 7.9	--	--	--	--	0.00 T 0.04 T	-- 0.15 T	--	-- 0.12 T
09/11/75	5701			67 F 7.5	--	--	--	--	0.00 T 0.05 T	-- 0.20 T	--	-- 0.00 T
01N/06E-13J01 M												
01/22/75	5701			66 F 7.8	0.0190 T	--	--	--	0.00 T 0.02 T	-- 0.14 T	--	-- 0.02 T

TABLE E-2 (CONTINUED)
MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH FEET	DISCH EC	TEMP °F	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY											
CONTINUED											
10/22/74	5701			69 F	--	--	--	0.01 T	--	--	--
	5701		257	7.7	--	--	--	0.08 T	0.00 T	--	0.01 T
03/12/75	5701			69 F	--	--	--	0.00 T	--	--	--
	5701		259	7.7	--	--	--	0.00 T	0.00 T	--	0.00 T
11N/07E-04F01 M											
10/22/74	5701			71 F	--	--	0.001 T	0.00 T	0.00 T	0.0000 T	--
	5701				0.018 T	0.000 T	--	0.00 T	0.03 T	0.000 T	0.17 T
04/15/75	5701			69 F	--	--	--	0.00 T	--	--	--
	5701		205	7.9	--	--	--	0.01 T	0.03 T	--	0.00 T
01N/07E-05A01 M											
02/13/75	5701			69 F	--	--	--	0.00 T	--	--	--
	5701		248	7.7	--	--	--	0.05 T	0.10 T	--	0.06 T
11N/07E-05N01 M											
04/16/75	5701			66 F	--	--	--	0.00 T	--	--	--
	5701		521	7.7	--	--	--	0.00 T	0.02 T	--	0.00 T
11N/07E-07E01 M											
04/16/75	5701			68 F	--	--	--	0.00 T	--	--	--
	5701		350	8.0	--	--	--	0.00 T	0.01 T	--	0.04 T
11N/07E-08F02 M											
10/22/74	5701			71 F	--	--	--	0.00 T	--	--	--
	5701		243	7.8	--	--	--	0.04 T	0.03 T	--	0.01 T
01/31/75	5701										
	5701		250	7.9	0.0180 T	0.1 T	0.001 T	0.00 T	0.000 T	0.0000 T	0.01 T
11N/07E-08H02 M											
03/12/75	5701			70 F	--	--	--	0.00 T	--	--	--
	5701		239	7.9	--	--	--	0.08 T	0.02 T	--	0.01 T
09/12/75	5701			67 F	--	--	--	0.00 T	--	--	--
	5701		240	7.4	--	--	--	0.06 T	0.03 T	--	0.05 T
11N/07E-08P01 M											
10/22/74	5701			70 F	--	--	--	0.00 T	--	--	--
	5701		262	7.7	--	--	--	0.02 T	0.02 T	--	0.03 T
02/13/75	5701			68 F	--	--	--	0.02 T	--	--	--
	5701		269	7.9	--	--	--	0.01 T	0.22 T	--	0.02 T
11N/07E-10M01 M											
01/22/75	5701			69 F	--	--	--	0.00 T	--	--	--
	5701		274	8.0	--	--	--	0.00 T	0.04 T	--	0.06 T
07/02/75	5701			69 F	--	--	--	0.01 T	--	--	--
	5701		268	7.9	--	--	--	0.00 T	0.02 T	--	0.05 T
11N/07E-17001 M											
01/22/75	5701			68 F	--	--	--	0.00 T	--	--	--
	5701		289	7.9	--	--	--	0.00 T	0.06 T	--	0.03 T
11N/07E-17002 M											
03/12/75	5701			70 F	--	--	--	0.00 T	--	--	--
	5701		301	7.9	--	--	--	0.00 T	0.06 T	--	0.00 T
07/02/75	5701			68 F	--	--	--	0.01 T	--	--	--
	5701		318	7.8	--	--	--	0.00 T	0.04 T	--	0.02 T
11N/07E-18001 M											
04/16/75	5701			68 F	--	--	--	0.00 T	--	--	--
	5701		255	8.0	--	--	--	0.00 T	0.06 T	--	0.00 T
11N/07E-18001 M											
09/11/75	5701			68 F	--	--	--	0.00 T	--	--	--
	5701		280	7.6	--	--	--	0.05 T	0.11 T	--	0.02 T
01N/07E-18E02 M											
05/20/75	5701			70 F	--	--	--	0.01 T	--	--	--
	5701		278	7.7	--	--	--	0.14 T	0.09 T	--	0.06 T
08/21/75	5701			69 F	--	--	--	0.00 T	--	--	--
	5701		270	7.8	--	--	--	0.04 T	0.06 T	--	0.00 T
11N/07E-18E03 M											
08/21/75	5701			69 F	--	--	--	0.00 T	--	--	--
	5701		316	7.7	--	--	--	0.02 T	0.07 T	--	0.03 T
11N/07E-18L01 M											
01/22/75	5701			67 F	--	--	--	0.00 T	--	--	--
	5701		279	7.9	--	--	--	0.06 T	0.10 T	--	0.03 T

TABLE E-2 (CONTINUED)
MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP °F	ARSENIC	CONSTITUENTS BARIUM CALCIUM	IN MILLIGRAMS PER LITER CHROM (VI) CHROM (III)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
						CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY			CONTINUED		
			5 4-22 5-22-21 01N/07E-30E01	M							
01/22/75	5701			66 F		--	--	0.01 T	--	--	--
	5701		428	7.6	0.0130 T	--	--	0.04 T	0.16 T	--	0.03 T
09/11/75	5701			66 F	--	--	--	0.00 T	--	--	--
	5701		458	7.5	--	--	--	0.18 T	0.24 T	--	0.01 T
			02N/06E-21K01	M							
05/20/75	5701			65 F	--	--	--	0.02 T	--	--	--
	5701		383	7.6	--	--	--	0.10 T	0.12 T	--	0.05 T
09/12/75	5701			69 F	--	--	--	0.00 T	--	--	--
	5701		362	7.1	--	--	--	0.08 T	0.12 T	--	0.03 T
			02N/06E-22B01	M							
02/13/75	5701			65 F	--	--	0.004 T	0.00 T	--	--	--
	5701		458	7.8	0.0025 T	--	--	0.00 T	0.07 T	0.0000 T	0.04 T
02/25/75	5701			8.0	0.0050 T	0.25 T	0.004 T	0.00 T	0.0000 T	0.0000 T	--
	5701		449		0.0000 T	0.000 T	--	0.00 T	0.04 T	0.0000 T	0.00 T
			02N/06E-22C01	M							
02/14/75	5701			8.1	0.0026 T	--	0.001 T	0.01 T	0.000 T	0.0000 T	--
	5701		393		0.000 T	0.000 T	--	0.00 T	0.06 T	0.0000 T	0.00 T
			02N/06E-22D01	M							
02/13/75	5701			68 F	--	--	--	0.00 T	--	--	--
	5701		318	8.1	--	--	--	0.02 T	0.05 T	--	0.08 T
			02N/06E-22D01	M							
03/12/75	5701			66 F	--	--	--	0.00 T	--	--	--
	5701		372	7.9	--	--	--	0.00 T	0.05 T	--	0.02 T
09/12/75	5701			70 F	--	--	--	0.00 T	--	--	--
	5701		381	7.4	--	--	--	0.00 T	0.05 T	--	0.04 T
			02N/06E-22D02	M							
10/24/74	5701			7.8	--	--	--	0.00 T	--	--	--
	5701		382		--	--	--	0.01 T	0.00 T	--	0.00 T
04/15/75	5701			69 F	--	--	--	0.00 T	--	--	--
	5701		388	7.6	--	--	--	0.00 T	0.00 T	--	0.01 T
			02N/06E-27B01	M							
04/15/75	5701			70 F	--	--	--	0.00 T	--	--	--
	5701		360	7.7	--	--	--	0.00 T	0.05 T	--	0.00 T
			02N/06E-27K01	M							
10/23/74	5701			69 F	--	--	--	0.00 T	--	--	--
	5701		366	7.9	--	--	--	0.00 T	0.10 T	--	0.00 T
05/20/75	5701			65 F	--	--	--	0.03 T	--	--	--
	5701		382	7.9	--	--	--	0.00 T	0.18 T	--	0.04 T
			02N/06E-27K02	M							
10/23/74	5701			69 F	--	--	--	0.00 T	--	--	--
	5701		391	7.8	--	--	--	0.02 T	0.00 T	--	0.06 T
02/13/75	5701			66 F	--	--	--	0.00 T	--	--	--
	5701		403	7.8	--	--	--	0.00 T	0.01 T	--	0.10 T
			02N/06E-27L01	M							
10/23/74	5701				0.0060 T	--	0.000 T	0.00 T	0.000 T	0.0000 T	--
	5701				0.000 T	0.000 T	--	0.02 T	0.06 T	0.000 T	0.03 T
			02N/06E-27P01	M							
08/21/75	5701			68 F	--	--	--	0.00 T	--	--	--
	5701		250	7.8	--	--	--	0.04 T	0.06 T	--	0.00 T
			02N/06E-33A01	M							
08/21/75	5701			70 F	--	--	--	0.00 T	--	--	--
	5701		270	7.9	--	--	--	0.02 T	0.05 T	--	0.02 T
			02N/06E-33F01	M							
08/21/75	5701			69 F	--	--	--	0.00 T	--	--	--
	5701		319	7.8	--	--	--	0.04 T	0.08 T	--	0.03 T
			02N/06E-33D01	M							
08/21/75	5701			68 F	--	--	--	0.00 T	--	--	--
	5701		362	7.6	--	--	--	0.16 T	0.24 T	--	0.01 T
			02N/06E-33K01	M							
09/12/75	5701			70 F	--	--	--	0.00 T	--	--	--
	5701		305	7.4	--	--	--	0.00 T	0.08 T	--	0.03 T
			02N/06E-33M03	M							
03/12/75	5701			68 F	--	--	--	0.00 T	--	--	--
	5701		310	8.0	--	--	--	0.24 T	0.17 T	--	0.00 T

TABLE B-2 (CONTINUED)
MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP °F	ARSENIC	CONSTITUENTS RADIUM CADMIUM	IN MILLIGRAMS CHROM (ALL) CHROM (HEX)	PER LITER COPPER IRON	LEAD	MANGANESE	MERCURY SELENIUM	SILVER ZINC	REM
CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY													
CONTINUED													
03/12/75	5701			67 F	--	--	--	0.00 T	--	--	--	--	P
	5701		481	7.7	--	--	--	0.24 T	0.17 T	--	--	0.00 T	E
02N/06E-34801 M													
05/21/75	5701			67 F	--	--	--	0.04 T	--	--	--	--	P
	5701		517	7.7	--	--	--	0.02 T	0.00 T	--	--	0.01 T	E
02N/06E-34C01 M													
05/20/75	5701			67 F	--	--	--	0.00 T	--	--	--	--	P
	5701		239	7.7	--	--	--	0.02 T	0.13 T	--	--	0.04 T	E
02N/06E-34K02 M													
03/18/75	5701			7.9	0.0300 T	0.09 T	0.003 T	0.00 T	0.00 T	0.0000 T	--	--	P
	5701		275	7.9	--	0.08 T	--	0.09 T	0.06 T	0.0000 T	0.01 T	--	E
02N/06E-34Q01 M													
03/12/75	5701			68 F	--	--	--	0.00 T	--	--	--	--	P
	5701		834	7.8	--	--	--	0.42 T	0.60 T	--	--	0.00 T	E
09/10/75	5701			69 F	--	--	--	0.01 T	--	--	--	--	P
	5701		573	7.6	--	--	--	0.36 T	0.51 T	--	--	0.02 T	E
02N/06E-35B01 M													
04/19/75	5701			68 F	--	--	--	0.00 T	--	--	--	--	P
	5701		382	7.9	--	--	--	0.00 T	0.04 T	--	--	0.00 T	E
02N/06E-36A01 M													
08/21/75	5701			68 F	--	--	--	0.04 T	--	--	--	--	P
	5701		378	7.4	--	--	--	0.00 T	0.00 T	--	--	0.06 T	E
09/11/75	5701			65 F	--	--	--	0.00 T	--	--	--	--	P
	5701		378	7.5	--	--	--	0.00 T	0.01 T	--	--	0.03 T	E
02N/06E-36F01 M													
12/20/74	5701			68 F	--	--	--	0.01 T	--	--	--	--	P
	5701		218	7.6	--	--	--	0.04 T	0.15 T	--	--	0.01 T	E
02N/06E-36G01 M													
04/11/75	5701			67 F	--	--	--	0.00 T	0.00 T	0.000 T	0.000 T	--	P
	5701		249	7.9	0.007 T	0.08 T	--	0.00 T	0.03 T	0.000 T	0.00 T	0.00 T	E
02N/06E-36N03 M													
08/21/75	5701			68 F	--	--	--	0.00 T	--	--	--	--	P
	5701		412	7.6	--	--	--	0.00 T	0.00 T	--	--	0.01 T	E
02N/06E-36R03 M													
07/02/75	5701			70 F	--	--	--	0.01 T	--	--	--	--	P
	5701		395	7.5	--	--	--	0.00 T	0.01 T	--	--	0.03 T	E
02S/06E-20K01 M													
11/08/74	5050			68.5F	--	--	--	--	--	--	--	--	E
	1644	5050	746	8.0	--	--	--	0.08 T	0.12 T	--	--	--	E
02S/06E-20K02 M													
11/28/74	5050			70 F	--	--	--	--	--	--	--	--	E
	1515	5050	2780	8.0	--	--	--	1.2 T	0.22 T	--	--	--	E
02S/06E-20L01 M													
11/08/74	5050			72 F	--	--	--	--	--	--	--	--	E
	1730	5050	1470	8.0	--	--	--	1.1 T	0.10 T	--	--	--	E
02S/06E-20R01 M													
11/08/74	5050			68 F	--	--	--	--	--	--	--	--	E
	1615	5050	881	7.9	--	--	--	0.14 T	0.16 T	--	--	--	E
02S/06E-20R03 M													
11/08/74	5050			68.5F	--	--	--	--	--	--	--	--	E
	1634	5050	810	8.0	--	--	--	0.84 T	0.19 T	--	--	--	E
02N/03E-17E01 M													
06/24/75	5050			7.5	0.00 T	--	--	0.00 T	0.0 T	--	--	1.2 T	E
	1230	5050	1300	7.5	--	--	--	0.09 T	0.00 T	--	--	--	E
LAHONTAN REGION SURPRISE VALLEY													
08/14/75	5050			59.0F	--	--	--	0.00 T	0.00 T	--	--	--	E
	0930	5050	320	7.2	--	0.08 T	--	0.11 T	0.00 T	--	--	0.00 T	E
MADELINE PLAIN													
08/15/75	5050			53.0F	--	--	--	0.01 T	0.00 T	--	--	--	E
	0915	5050	1075	7.2	--	0.08 T	--	0.00 T	0.01 T	--	--	0.07 T	E

TABLE E-3

SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

Sampler and Lab Agency Codes

5050 - California Department of Water Resources

5701 - California Water Service Company

Abbreviations

TIME - Pacific Standard Time on a 24-hour clock

EC - Electrical conductance in micromhos at 25⁰ Celsius

TEMP - Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)

PH - Measure of acidity (<7) or alkalinity (>7) of water

D - Dissolved

T - Total

TABLE E-3 (CONTINUED)
SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PM	ALUMINUM	ANTIMONY	BERYLLIUM	CORAL	PER LITER GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STROMTIUM	TITANIUM VANADIUM
CENTRAL VALLEY REGION SACRAMENTO VALLEY YUBA COUNTY												
9-21 5-21.06 15N/03E-12R02 M												
03/05/75	5701			62 F	--	--	--	--	--	0.001 T	--	--
	5701		422	7.6	--	--	--	--	--	--	0.24 T	--
15N/03E-13J01 M												
05/13/75	5701			63 F	--	--	--	--	--	0.000 T	--	--
	5701		485	7.5	--	--	--	--	--	--	0.33 T	--
15N/03E-13J03 M												
08/19/75	5701			62 F	--	--	--	--	--	0.000 T	--	--
	5701		238	7.4	--	--	--	--	--	--	0.14 T	--
15N/03E-13N01 M												
07/01/75	5701			64 F	--	--	--	--	--	0.000 T	--	--
	5701		530	7.5	--	--	--	--	--	--	0.40 T	--
15N/03E-14J03 M												
08/19/75	5701			64 F	--	--	--	--	--	0.002 T	--	--
	5701		544	7.5	--	--	--	--	--	--	0.36 T	--
15N/04E-07L01 M												
05/12/75	5701			64 F	--	--	--	--	--	0.004 T	--	--
	5701		337	7.7	--	--	--	--	--	--	0.22 T	--
15N/04E-07M02 M												
05/13/75	5701			63 F	--	--	--	--	--	0.000 T	--	--
	5701		425	7.4	--	--	--	--	--	--	0.30 T	--
15N/04E-18C01 M												
08/19/75	5701			63 F	--	--	--	--	--	0.000 T	--	--
	5701		378	7.7	--	--	--	--	--	--	0.24 T	--
15N/04E-19D01 M												
03/05/75	5701			62 F	--	--	--	--	--	0.002 T	--	--
	5701		469	7.4	--	--	--	--	--	--	0.28 T	--
9-21.11 07N/01E-14D02 M												
09/03/75	5701			68 F	--	--	--	--	--	0.08 T	--	--
	5701		550	7.9	--	--	--	--	--	--	0.62 T	--
07N/01E-14J01 M												
06/24/75	5701			66 F	--	--	--	--	--	0.042 T	--	--
	5701		937	8.1	--	--	--	--	--	--	0.70 T	--
07N/01E-23J02 M												
03/04/75	5701			66 F	--	--	--	--	--	0.042 T	--	--
	5701		1120	7.5	--	--	--	--	--	--	0.74 T	--
07N/01E-23J04 M												
03/04/75	5701			67 F	--	--	--	--	--	0.040 T	--	--
	5701		605	7.9	--	--	--	--	--	--	0.58 T	--
07N/01E-23D02 M												
06/23/75	5701			67 F	--	--	--	--	--	0.034 T	--	--
	5701		753	7.9	--	--	--	--	--	--	0.62 T	--
07N/01E-24C02 M												
06/23/75	5711			66 F	--	--	--	--	--	0.046 T	--	--
	5701		955	7.6	--	--	--	--	--	--	0.74 T	--

TABLE E-3 (CONTINUED)
SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ALUMINUM	CONSTITUENTS IN ANTIMONY BERYLLIUM	IN MILLIGRAMS RISMUTH CORAL	PER LITER GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM
CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY											
04/18/75	5701		517	68 F 7.8	--	--	--	--	0.006 T	--	--
	5701									0.56 T	--
NIN/06E-01M01 M											
05/20/75	5701		286	68 F 7.8	--	--	--	--	0.004 T	--	--
	5701								--	0.14 T	--
NIN/06E-02M01 M											
05/20/75	5701		466	69 F 8.1	--	--	--	--	0.004 T	--	--
	5701								--	0.08 T	--
09/10/75	5701		447	70 F 7.7	--	--	--	--	0.002 T	--	--
	5701								--	0.08 T	--
NIN/06E-02M01 M											
02/13/75	5701		414	70 F 8.1	--	--	--	--	0.000 T	--	--
	5701								--	0.10 T	--
NIN/06E-03C01 M											
05/20/75	5701		468	69 F 7.7	--	--	--	--	0.004 T	--	--
	5701								--	0.12 T	--
09/10/75	5701		432	69 F 7.7	--	--	--	--	0.002 T	--	--
	5701								--	0.10 T	--
NIN/06E-11K01 M											
01/22/75	5701		561	70 F 7.8	--	--	--	--	0.005 T	--	--
	5701								--	0.16 T	--
09/11/75	5701		553	70 F 7.3	--	--	--	--	0.004 T	--	--
	5701								--	0.12 T	--
NIN/06E-12A01 M											
04/16/75	5701		371	67 F 7.9	--	--	--	--	0.000 T	--	--
	5701								--	0.14 T	--
NIN/06E-12C01 M											
09/11/75	5701		546	65 F 7.3	--	--	--	--	0.006 T	--	--
	5701								--	0.48 T	--
NIN/06E-12C09 M											
03/12/75	5701		512	69 F 8.1	--	--	--	--	0.006 T	--	--
	5701								--	0.14 T	--
09/10/75	5701		668	72 F 7.6	--	--	--	--	0.002 T	--	--
	5701								--	0.36 T	--
NIN/06E-12C10 M											
03/12/75	5701		446	69 F 7.8	--	--	--	--	0.008 T	--	--
	5701								--	0.42 T	--
NIN/06E-12C11 M											
09/10/75	5701		536	72 F 7.4	--	--	--	--	0.002 T	--	--
	5701								--	0.12 T	--
NIN/06E-12F01 M											
10/22/74	5701		443	71 F 7.7	--	--	--	--	0.002 T	--	--
	5701								--	0.08 T	--
NIN/06E-12K03 M											
01/22/75	5701		388	68 F 7.9	--	--	--	--	0.005 T	--	--
	5701								--	0.26 T	--
NIN/06E-12N01 M											
01/22/75	5701		615	68 F 7.8	--	--	--	--	0.005 T	--	--
	5701								--	0.30 T	--
09/11/75	5701		664	69 F 7.6	--	--	--	--	0.004 T	--	--
	5701								--	0.32 T	--
NIN/06E-13G02 M											
02/13/75	5701		429	68 F 7.9	--	--	--	--	0.000 T	--	--
	5701								--	0.26 T	--
09/11/75	5701		424	67 F 7.5	--	--	--	--	0.002 T	--	--
	5701								--	0.28 T	--

TABLE E-3 (CONTINUED)
SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH FC	TEMP PH	ALUMINUM	CONSTITUENTS IN MILLIGRAMS PER LITER ANTIMONY RERILLIUM	PER LITER RISMUTH GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM
						CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY		CONTINUED		
01/22/75	5701			66 F	--	--	--	0.004 T	--	--
	5701		287	7.8	--	--	--	--	0.18 T	--
						MIN/07E-04F01				
10/22/74	5701			69 F	--	--	--	0.002 T	--	--
	5701		257	7.7	--	--	--	--	0.20 T	--
03/12/75	5701			69 F	--	--	--	0.000 T	--	--
	5701		259	7.7	--	--	--	--	0.22 T	--
						MIN/07E-04G01				
10/22/74	5701			71 F	--	--	--	0.002 T	--	--
	5701				--	--	--	--	0.17 T	--
04/15/75	5701			69 F	--	--	--	0.000 T	--	--
	5701		205	7.9	--	--	--	--	0.10 T	--
						MIN/07E-05A01				
02/13/75	5701			69 F	--	--	--	0.000 T	--	--
	5701		248	7.7	--	--	--	--	0.20 T	--
						MIN/07E-05N01				
04/16/75	5701			66 F	--	--	--	0.002 T	--	--
	5701		521	7.7	--	--	--	--	0.52 T	--
						MIN/07E-07E01				
04/16/75	5701			68 F	--	--	--	0.006 T	--	--
	5701		358	8.0	--	--	--	--	0.32 T	--
						MIN/07E-08F02				
10/22/74	5701			71 F	--	--	--	0.002 T	--	--
	5701		243	7.8	--	--	--	--	0.05 T	--
01/31/75	5701				--	--	--	0.002 T	--	--
	5701		250	7.0	--	--	--	--	0.05 T	--
						MIN/07E-08H02				
03/12/75	5701			70 F	--	--	--	0.000 T	--	--
	5701		239	7.9	--	--	--	--	0.02 T	--
09/12/75	5701			67 F	--	--	--	0.000 T	--	--
	5701		240	7.4	--	--	--	--	0.06 T	--
						MIN/07E-08P01				
10/22/74	5701			70 F	--	--	--	0.002 T	--	--
	5701		262	7.7	--	--	--	--	0.11 T	--
02/13/75	5701			68 F	--	--	--	0.002 T	--	--
	5701		269	7.9	--	--	--	--	0.10 T	--
						MIN/07E-16M01				
01/22/75	5701			69 F	--	--	--	0.000 T	--	--
	5701		274	8.0	--	--	--	--	0.08 T	--
07/02/75	5701			69 F	--	--	--	0.002 T	--	--
	5701		268	7.9	--	--	--	--	0.11 T	--
						MIN/07E-17O01				
01/22/75	5701			68 F	--	--	--	0.002 T	--	--
	5701		289	7.9	--	--	--	--	0.12 T	--
						MIN/07E-17O02				
03/12/75	5701			70 F	--	--	--	0.000 T	--	--
	5701		301	7.0	--	--	--	--	0.16 T	--
07/02/75	5701			68 F	--	--	--	0.002 T	--	--
	5701		318	7.8	--	--	--	--	0.18 T	--
						MIN/07E-18R01				
04/16/75	5701			68 F	--	--	--	0.000 T	--	--
	5701		255	8.0	--	--	--	--	0.14 T	--
						MIN/07E-18O01				
09/11/75	5701			68 F	--	--	--	0.002 T	--	--
	5701		280	7.6	--	--	--	--	0.12 T	--
						MIN/07E-18E02				
05/20/75	5701			70 F	--	--	--	0.004 T	--	--
	5701		278	7.7	--	--	--	--	0.12 T	--
08/21/75	5701			69 F	--	--	--	0.000 T	--	--
	5701		270	7.8	--	--	--	--	0.12 T	--
						MIN/07E-18E03				
08/21/75	5701			69 F	--	--	--	0.002 T	--	--
	5701		316	7.7	--	--	--	--	0.14 T	--

SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

[illegible]

TABLE E-3 (CONTINUED)
SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH FC	TEMP PM	ALUMINUM	CONSTITUENTS IN MILLIGRAMS ANTIMONY BERYLLIUM	IN MILLIGRAMS RISMUTH CORAL	PER LITER GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM
S K-22 K-22.01 02N/06E-33M03 M					CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY					CONTINUED	
03/12/75	5701			68 F	--	--	--	--	0.004 T	--	--
	5701	310		8.0	--	--	--	--	--	0.15 T	--
02N/06E-33M01 M											
03/12/75	5701			67 F	--	--	--	--	0.004 T	--	--
	5701	481		7.7	--	--	--	--	--	0.44 T	--
02N/06E-34B01 M											
05/21/75	5701			67 F	--	--	--	--	0.006 T	--	--
	5701	517		7.7	--	--	--	--	--	0.50 T	--
02N/06E-34C01 M											
05/20/75	5701			67 F	--	--	--	--	0.004 T	--	--
	5701	239		7.7	--	--	--	--	--	0.16 T	--
02N/06E-34K02 M											
03/18/75	5701			7.9	--	--	--	--	0.010 T	--	--
	5701	275		7.9	--	--	--	--	--	0.12 T	--
02N/06E-34Q01 M											
03/12/75	5701			68 F	--	--	--	--	0.004 T	--	--
	5701	834		7.8	--	--	--	--	--	0.80 T	--
09/10/75	5701			69 F	--	--	--	--	0.002 T	--	--
	5701	573		7.6	--	--	--	--	--	0.44 T	--
02N/06E-35B01 M											
04/19/75	5701			68 F	--	--	--	--	0.004 T	--	--
	5701	382		7.9	--	--	--	--	--	0.40 T	--
02N/06E-36A01 M											
08/21/75	5701			68 F	--	--	--	--	0.002 T	--	--
	5701	378		7.4	--	--	--	--	--	0.40 T	--
09/11/75	5701			65 F	--	--	--	--	0.002 T	--	--
	5701	378		7.5	--	--	--	--	--	0.40 T	--
02N/06E-36D01 M											
04/15/75	5701			70 F	--	--	--	--	0.002 T	--	--
	5701	335		7.7	--	--	--	--	--	0.36 T	--
02N/06E-36F01 M											
12/20/74	5701			68 F	--	--	--	--	0.000 T	--	--
	5701	218		7.6	--	--	--	--	--	0.28 T	--
02N/06E-36G01 M											
04/11/75	5701			67 F	--	--	--	--	0.002 T	--	--
	5701	249		7.9	--	--	--	--	--	0.22 T	--
02N/06E-36H03 M											
08/21/75	5701			68 F	--	--	--	--	0.002 T	--	--
	5701	412		7.6	--	--	--	--	--	0.42 T	--
02N/06E-36R03 M											
07/02/75	5701			70 F	--	--	--	--	0.004 T	--	--
	5701	395		7.5	--	--	--	--	--	0.42 T	--

Appendix F

WASTE WATER DATA .

Appendix F, "Waste Water Data", which appeared in certain volumes of the Bulletin No. 130 series, has been discontinued. For information regarding waste water, the reader is referred to the recently reactivated Bulletin No. 68 series: "Inventory of Waste Water Production and Waste Water Reclamation Practices in California".

Please note the data presented in Bulletin No. 68 are on a calendar year basis rather than a water year basis as is the case in Bulletin No. 130.



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